SEQUENCE LISTING

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<120> Compositions and Methods Relating to Breast Specific Genes and Proteins

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<150> 60/268,999
<151> 2001-02-15

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<212> DNA
<213> Homo sapien

<400> 17
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acaataagta acagatgtta ttttttaaaa agctaacttt atttaataac tataacgaca 120

cagaaagatg cccttctcac actgaatctt caagattcta aggaagaaca tacgagtctc 180

ctttgcgaat gtccaagtaa gtaagattta gcacggaaat ctaatcaagc atctacttgt 240

cctcacatgg aaatacttat gaaacttctt ataagagagc agtaatctct aggccggaca 300

ctgctggcat catacctgta atcccagcaa ttttgggcag gccgaggtca ggtggtatca 360

cttgtgacgc tcagagaatt actaagcacc agcctggcgt atatatggca atgagcctcg 420

aactctatct agaagaatta caagaaacga aaagaata 458

<210> 18
<211> 542
<212> DNA
<213> Homo sapien

<400> 18
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tttttataaa aaagttataa aaattaaaaa aaaaaaccaa gcctataccc aaaacacaaa 120

aagcaacgac acacaacctt tctccgagtt ttactttacc tttgtggagc gttcacacac 180

ttatttaccc actttagttg gctttttta aaaatggttc aatttctcag ggtataggag 240

ggagctgtga gtctcgggta taatatgagc gccagcccat ctcacgaggt gttacctata 300

atttatagag tgctataaaa tataaacaca gggctccctc atttgtgaaa aaaagaagaa 360

aaggaaacac tattttccgg ggtgggggtt aaattttagg ccaatggttt ataaaaaaac 420

cttgggggtt aatctcaggg ctcattagcg tgtttccccg ggtgtggtga aaatgtgggg 480

atatctcccc gcgctccacc aattctcaca ccacaacctt tcccccggaa acaaacaacg 540

ag 542

<210> 19
<211> 326
<212> DNA
<213> Homo sapien

<400> 19
tgacataata taagatagag tatagataga aagagaccgc gggtgaaaca ttcaggaaga 60

tcacagagga aagaatctgg gaatagcaac agcacggaag ttgtttatag aatccgctag 120

gttatgccgc cctaactcta tatcatgcag attatgatcc tagtcacaat attgttgact 180

ttgaaaaccg aactatcaga tactccgttc aggcaccaga ctggctatga agtggcacat 240

acatggaata gacccaaata ggactgcgaa gatgttgaaa aataaactga cattagaaca 300

acatcccaaa gaggagttgg gacttg 326

<210> 20
<211> 603
<212> DNA
<213> Homo sapien

<400> 20
cgtggtcgcg gcgaggtact tagagtttct gtttgattct tttttaataa actactcttt 60

gatttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg ggggttccca aacccgggtg 120

atgtttggaa acagtccctc ggattggagg ggtttcaccc ctgccaaggt gggaccaccc 180

aagcctcgtg tgacaacgcc ctcttaacag tgggaatgcg atcgacgcac gggtcctgag 240

gatacttgcg cacagagcac actgactgcg atcgaatctg ggacttcagg gggctatcgg 300

tcgctgggag cctcgctctc ccttgggcgc gccgcggcgc tggtccactc tactcccagc 360

gattcagaga aggcgaccct tctgggattt ctcacgccaa cggagggatt ctccgtgagc 420

ttcgactgtg cactcattcg acacatttaa cagaacgaaa actctttttc tggccccaag 480

tctttttgac agggactgga aacagctggg gcagtaacct ccttggctca tacgcctgta 540

ctcctggtgt cgaacttggt aaagtccggt tcacatattc cacaaaattt acgcaaacca 600

agt 603

<210> 21
<211> 513
<212> DNA
<213> Homo sapien

<400> 21
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atcaaggagc tggctaaata tgaatacatg gaagaacaag taatcttaac tgaaaaagat 120

ctgctagaag atggttttgg agagcacccc ttttaccact gcctggttgc agaagtgccg 180

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tatgacccgt ggattggcaa gttattgtat cttgaggact tcttcgtgat gagtgattat 300

agaggctttg gcataggatc agaaattctg aagaatctaa gccaggttgc aatgaggtgt 360

cgctgcagca gcatgcactt cttggtagca gaatggaatg aaccatccat caacttctat 420

aaaagaagag gtgcttctga tctgtccagt gaagagggtt ggagactgtt caagatcgac 480

aaggagtact tgctaaaaat ggcaacagag gag 513

<210> 22
<211> 136
<212> DNA
<213> Homo sapien

<400> 22
aagatagtgc cactgcactc agcctggca acagagcgag acaacatcaa aaaaagtagg 60

aaggaaggga gggaaggagg gagggaggga aggaatggaa ctatgactct aagatgctac 120

actctgagag tgtaaa 136

<210> 23
<211> 933
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (661)..(661)
<223> a, c, g or t

<400> 23
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tttcgggttt agaggaatag gaggaaaatg gggaataggt tgtatgagaa catgagaggt 120

gtgtgtttcc tccgtggtag aatgaggagg gtgtttaatg tgttgtgtaa atggtgggtg 180

ggtgtgagat tggtagacgc cccattggtg gttggtgggt aaattattgt acgaggggat 240

gatataaggg gctggtggac tatgtattgt gagatgtctc tggaaatgtc agagagaagt 300

tatatatatt gtggtatcag agagagaaca gcgtgggtgt tcactaagcc cacgagaaga 360

tatgtttctc ccacagagta gagtgttaaa taatgtgggg gggggtgtaa gaggcggaag 420

tgttaaagcg aagtgtcttt tgtcttaaga agatgtacta tcaaaacaag actcttattt 480

cgagtggggg aatgtaaaag tttggggaaa cgtctccttt ttgaagaaga gaggcggatt 540

tatgttgatg tgcgcaaact gtgtgtagag tgttgcggta tcacaagaaa gtattatagg 600

aaagttgtgt ggctattagg gcgagaaaca aatagtttac ctcgagaccg agaatgtaga 660

ntaacgcccc cgggggggggc ggcccagcat gtataatcta gaaagaaata gtagatgttg 720

tggcgcgccg cagcgtgtag agacgacgtt gggcgggggga tagcccaaca acgtcggcac 780

acaataagcc ggtgagtacg gccgggggggg cgtgacagac gtcgggtgtt catctcacgg 840

ggcttcaaca aattcaccta ctacaactcc atccccacaa caaccacaca cacagctcaa 900

caacaccaac gagacgaaac aacaaacgaa cga 933

<210> 24
<211> 911
<212> DNA
<213> Homo sapien

<400> 24
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tctctttgaa tctcttggaa tagggagata aggagaagaa ggaaacataa attgatggct 120

atgccctgcc ttctccgttc tgcttatccc tggtcaaggt tgccagagaa ttcaggccct 180

tcagagccag ctgagatgtg ctgatatgct aagtgattcc tcatctgatt ccttgctcca 240

gaactacagg gacttgaaga cagactacat ttttcctgag cgagacaatt tggtctcaag 300

ggaaacccaa actgtagcac agaatgtgag gtgagtttgc ccttgccctt tcatttatct 360

tcctttaatc aaacagacta aacgttttca ttggaacaga gaagattgtt atccttggct 420

ttcttgtgtc tccagcagta tttttcttag gaatgtgtta atagctgtaa aaattttaac 480

acgtcttcaa gtgcctctca tgttaggaga ttcttctcag ttgcgggaaa agttgttgtc 540

agattgccca gtatttaacg tgaaatccca aatgtttctg acaggttgat tatgctcttt 600

cttcaaatgc cctgtctttt cagagtatgc agccagatgc ttccggaggg agagacattt 660

tttctttgcc aatcccgatt ccttcagtcc tcaatcactc cccagaaagt taggtccaaa 720

agacggttaa ctttcagcga caagtaacga acacgattgg ggtggtctca cggtcaagga 780

tagtgtggtg ctggcctttc gtaacgagtt atttgctcgg tcaccaactc ctttaccttа 840

atgtttggtc gaggaccaga acctttacgt acaatatggg tgtgtccgct taacggttca 900

aaaagttgca c 911

<210> 25
<211> 475
<212> DNA
<213> Homo sapien

<400> 25
ggaaaacaac tttttatgta tagcttctaa aaggaagaaa aaaaaaaaaa aaaaaaccct 60

tggacttcca cgtgcccatc tcaagaacat tccactcaca gaattggagg ttctgggatc 120

ccagggtctg ggagtttccc aattggttaa ttggtaaaca ggaacggggc acacacacat 180

ttaagatgaa tggtaattat tatccctcct ggctgggtca ctaccggtcg cttctctatt 240

tctcttctct tggtgtgaat ttatttaaaa gaaaaaaaaa cttttggtaa cgactattcg 300

gcaggtttaa aaatcaaata aaccccggtt tttttcaacg aaaaaaacaa aaaaaaaaca 360

aaaaaaaaca aaagcgcgcg gggggggaacc cggggcgcaa aaagcgcggg tccccgggggg 420

gagaaattgg gttccccggc ccaaaattcc cccacaaaaa agcggagaac aaagt 475

<210> 26
<211> 709
<212> DNA
<213> Homo sapien

<400> 26
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aggaattggc aagtttgggg atgtttccag gggatttctc agcctttaaa ttattagaaa 120

cagcagaaat ttttgtgaaa agtaaattat tttggaaaaa tgaattggca tgcagctagc 180

ctttgtgtta ttaacaaata atttttctag atttgggacc cctaattagt ttaaaaattt 240

aaaaatttaa accattaaac attaggggcc ttttaaattg tgctcgggta taatattatt 300

aagaatagaa ggcttgaaac tgtggtggtt aagggctctt tcgtggtggg aaggtgccca 360

tttacattct ttattattta cgtcaaggtt ccattgaaaa ctaactgtgt ttaggatcgg 420

tctggaaatt ggctaagtct caggcagggg taaatcctgc tctcaggggc caacaggggg 480

ggaggcaaaa tagaaaacat ttcccagata ataagctttt atcaattttt ggaggcaacg 540

atgggaggta actcagcgaa atattacgtg ggtcctgtaa aaggaattaa gggggaacgg 600

gaacattttt aatgggagga gaaattttct ttttaaaaag gccctaaaga aaatggttgg 660

tagaaattcg aattaatttt aacataattt ttgggttatt tcctaagga 709

<210> 27

<211> 722
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (143)..(143)
<223> a, c, g or t

<400> 27
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ctattaaaaa aaaaaaaaaa aaaaaaaaaa aaaacacaaa aaaaaaaaaa aaaaaaaaaa 120

aaaagggggg gggcgcccga cgnagtgcta cgacgagatg tcgccgcgga cgaaacgccc 180

ggggggagtt ctccgggtgt gggggagacg ctccctcccc gctggtggta tgtcgtttct 240

ccgacgagag ccccccactt gtggtgctgc ggtttagttc tacccacacc catcggtgtt 300

tattttcgcc gttggtcccc cactttgtaa acaatatttg gagagggccc ccacgattat 360

cgctcgtaaa aaaaattctt gtgggggggag tattaacaaa gaagtataac gccgggtaat 420

aagagaaaag tatacggggg aacatcttcc aaaaaaactt gaatatattt ggacaaatta 480

ttcccccagg ggaaggagaa aaaaaaattt ggccccttat tataaagccc cgggtttatg 540

gtaaagggga gcacacgcga cggcgctgga acaataagaa ccattatttc aacacggtgc 600

gcaaacacaa ataaaaacac aacagcgggt gggggcacaa acgagggcca caagagggtc 660

ccgggtgata acactgtgtc taccgcgcca caatccccaa ataatacaaa aacacagcgg 720

gc 722

<210> 28
<211> 1210
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (631)..(631)
<223> a, c, g or t

<400> 28
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ctcgctggag ccagatcctg ggagctgtca gcaaggagca ggtaagtgag cagttatgga 120

cagcaccttt ccactgtggt gcttccgaac cctggctgtc acgagtgaaa tgtaaagtca 180

cgggctctgt acagttttgc catttcactg ttctgcttta agcttagctt attagaactc 240

ttggtggagg gtgcgtacac accacttcca gaaaaggctt cacctcgctg ggaacgtcaa 300

cccagcgaga aaggagggga agccccttct ccggggacct tatctgtgga ctcaggaatg 360

atggtgttta ttgcaaatgc acaatctttt tcccattgaa atgtcatcac actggaaatt 420

gtactatatg taaaaaaaaa aaaaaagtat agttttatat ttgaaatgta tgcaaattat 480

ggccatatgg ctgattggaa tgtactactg taatataaaa agtcactgta tttgcaataa 540

attcttttct attaaaattg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600

aaaaaaaaaa aaggggggag gcgcccgacg nagtgctacg acgagatgtc gccgcggacg 660

aaacgcccgg ggggagttct ccgggtgtgg gggagacgct ccctccccgc tggtggtatg 720

tcgtttctcc gacgagagcc ccccacttgt ggtgctgcgg tttagttcta cccacaccca 780

tcggtgttta ttttcgccgt tggtccccca ctttgtaaac aatatttgga gagggccccc 840

acgattatcg ctcgtaaaaa aaattcttgt ggggggagta ttaacaaaga agtataacgc 900

cgggtaataa gagaaaagta tacgggggaa catcttccaa aaaaacttga atatatttgg 960

acaaattatt cccccagggg aaggagaaaa aaaaatttgg ccccttatta taaagccccg 1020

ggtttatggt aaaggggagc acacgcgacg gcgctggaac aataagaacc attatttcaa 1080

cacggtgcgc aaacacaaat aaaaacacaa cagcgggtgg gggcacaaac gagggccaca 1140

agagggtccc gggtgataac actgtgtcta ccgcgccaca atccccaaat aatacaaaaa 1200

cacagcgggc 1210

<210> 29
<211> 247
<212> DNA
<213> Homo sapien

<400> 29
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aatgcctgtg taataatatt tggaatctgg atcctgcatt tctccctcaa tttatgtact 120

ggacaactaa acttattatt tcatctaaaa aaattcaaaa acaacaaaca aaaaaaaaaa 180

cgcgggggaa accaggcaca aaggggtccc ggtaaaatgg ttccgacaac aaaaaacaaa 240

caaccga 247

<210> 30
<211> 528
<212> DNA
<213> Homo sapien

<400> 30
gaaaaaaaga aataatctta tctgcaaaca ttgctgaaac ctgtgtagtt tcttcttttt 60

tctcttggta ttggtatcaa ggaatttaaa ttttagatgg actgtgttta ttaaaattgg 120

tagactatgc taaacaaatt tacaattctt ttgcctagaa aaatggaact acttaagtct 180

tatataactg gaaaactttt acttttcgct taacattaat tggaattttg gtgacagtga 240

aaattatttt ttttcagggc ttgttaaaca actgttttaa aacagatgat gaccaaaacc 300

ctgctcaatg agaatagtat tgtatgtgaa actctaaaga agtcattatt catctcattt 360

tgcagatgga attaagaatg caaaaatagt ggacatgcca agtgaatgct gttaataata 420

tgtaaaatta tttgattaac atttataact taaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480

aggaaaaaaa aaaaaaaaag gggggtgggg gcactccggg gaaatccc 528

<210> 31
<211> 890
<212> DNA
<213> Homo sapien

<400> 31
tcgagtcagg aaagacttcc taagaaaggt gacacgagct gagtcttgga gaatggggag 60

gatttctaga gatggggact cagagaaaag atggccttgt ggtcaaggga gaaaagggag 120

ctttagcttt ggctgaggca gaagagggtg cagagatgtc acaagacaat ctaaaaccca 180

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atgcgaggtg gttttgagca cacctaaggt ccgtttcagg ggtcctgaat gaggtgattg 300

cgacaactca aagactaagt ttctaagatc ccaggcatgg agtaaagcaa ttctatacac 360

aggatctcaa tcctagtcac aaagacttct taatgataca ggggctcaga gacatgggtt 420

cccctaaaca cgtcagcttg gattcatact ggccccatat tttccagtgt gccatgttgt 480

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aacatataaa atatagtgac tgcaaatact tttaaagcac ttactatgca tcaggcttat 600

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gtaaggatat tgagatgcag agattaagca gttcgttcaa ggtcaccaag gcaggcaggt 720

gcaagggctc atgcctgtaa ttcccagcac tttgcggagg cccaaggtgg gttgggatgg 780

gtttggagcc caggagttca aaaaccagcc tggcaaacat gggcaaaccc atttctacta 840

aaatcctgat cctcaggccg atcaggaaaa gtggtcaact ccaactgcga 890

<210> 32
<211> 387
<212> DNA
<213> Homo sapien

<400> 32
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gcctgtgctc cagcagctcc gaggtctctt cctggaagtc tgttgggtgt catcctgcag 120

cccagagcca gggaaatggc agtggggagg gggcttcctg gggtgacagc aaagctctgt 180

gtccacaggc aggcaggacg catgctgcag ccctgtgggg tgggcacggt ggaagccttc 240

ctctgtgtgg cagaaaatgt gtctcagatc tctgggaact gggacaggaa agttcccaga 300

ggggcatgta tggggaggct acagaaagtg tccccccatt tcatgtttgt gatagcagct 360

caggacagac aaacaccaag agggtgg 387

<210> 33
<211> 895
<212> DNA
<213> Homo sapien

<400> 33
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aaaactgaac tgctgaacag agtggcctga ctctctttac cctgtccccc tctccccagc 120

ctggaatggg cctggctgcc cacggcacac gtggcaaggg cccctccttg tgccttgggg 180

ctcctgagca gctttcctag gaggaagaac ctcgaccccc cagctatatc tttatgggat 240

cctggcctgg actgaggaca aagccagggg ccacggggta ccccaagctg cccattttcc 300

tgggaagggc acagtggccc tgaccggagc tgtcattttc ggctggggtt ggtcagtcct 360

gccctccttg ccgtggctgc tgtcagcaca tgtcattcat gtcgtaacca ttcgtggggc 420

tccttcctgc ggcagcgtgg cggggctgag gccatgcaca ccaatccgag ctgggctcgg 480

gcgccctgct gaggacacca agcagccacg ttgcctgtgc tccagcagct ccgaggtctc 540

ttcctggaag tctgttgggt gtcatcctgc agctcagagc cagggaaatg gcagtgggga 600

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tgtcccccca tttcatgttt gtgatagcag ctcaggacag acaaacacca agagggtggc 840

cttgggcagc agccagtgag gagaggcaag atggggttaa gcttcgcaca ttgag 895

<210> 34
<211> 502
<212> DNA
<213> Homo sapien

<400> 34
aactctttta gacctagcat cagatgtctc ccttagtgag gtggagcccg gcaatggact 60

gtctgctgct gcttctatgc ttattaagca tttcaccttc atcataaaat atgtagcaat 120

gttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 180

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gggggatagg gggacacggc gggagggagc gaggcgagag cgcgcgaggc ggtagcagac 300

acaatacaaa aggtggtgga gaaccacggc gcgcaacaaa gtaggacgcc ggggaggaaa 360

atgacgtcca cgcagcgcca caggcccacc cagctagcgc acgacgaaca cgacgagaga 420

caacagccgc gagcgcagac cgcacacgaa cgaaccacaa aaacacagaa acacaacacc 480

ggagcggcgg cgcaagcgac ga 502

<210> 35
<211> 645
<212> DNA
<213> Homo sapien

<400> 35
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accttggcaa gcaggtgctc atgggaattt ccaggggctc atataatttg gttggtgcaa 120

tgcctgtgga gtttggcatg cacttatatt ccctccatca aaaataacca caacataaag 180

agggtaaagt tcaaagatca tctggctctg gatactacaa caaatagata actcttctgg 240

gatatatctt ttgggttaga aggagtgcaa ggagggagaa agtgtctagg tgatgagcca 300

agaaccattt aatcccattc aaacagccca ggtttcctgc tgtcactgct gacttgacat 360

gggtaagaag gcccttgatc agctcaggat ccttagaagg cttccatcac agggttggcc 420

tgtaaagggg tgtatactac acaccaggat agatctcaca caacagcaac gagagaaaac 480

cagtcaggcc caaagtctgt caccttgtgg ctcaatcttc accatctctg tatcatgtag 540

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tggcatagct gtccttgtga atgatcggtc aatccccata cacca 645

<210> 36
<211> 173
<212> DNA
<213> Homo sapien

<400> 36
cacattcact ttttaatttt cgagtatcaa ccattaaaaa aaattccttt catacataaa 60

tacatgttga tttccaggat ttcaaaccat ctacttaagt tttatgcctt aataggagtt 120

gctattcagg actttaaaaa gattttcgaa ccttcacaat agctcaatat tca 173

<210> 37
<211> 858
<212> DNA
<213> Homo sapien

<400> 37
gcgagtattt tttttgaga cagagtctcg ctctgtcgcc caggctggag tgcagtgacg 60

ccatctcggc tcattgcaac ctctgtctct caggttcaag taattctcct gcctcagcct 120

cctgagtagc tgggattata ggcatgcgcc accacaccct gctaattttt tgtattttta 180

gtagagatgg gctttcactg tgttagccag gatggtctca atctcctgaa ctcatgatcc 240

acccgccttg gcctgccaaa gtgctgggat tacaggtgca cgccgccacc ctcggctaat 300

tcacattcac tttttaattt tcgagtatca atcattaaaa aaaattcctt tcatacataa 360

atacatgttg atttccagga tttcaaacca tctacttaag ttttatgcct taataggagt 420

tgctattcag gactttaaaa agattttcga accttcacaa tagctcaata ttcaaagctt 480

atttcctaag gctaaacagc acaaataatt tacccatgtg gcaattaaga tactgaaaag 540

taccaaatct tgacaaaacc tctgctgaac tctatttggc actcaaattg gcttcaggtc 600

taattttatg tgtttggaaa ttttggattt gattccaccc atatttggct tctgctcaca 660

attcattttt cacaaacaca gtaattctca ttttatttt tttattaaat tctttctttt 720

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ccagtgatct ttctacctca gcctccctag cgtgtttggg actgcgcatg agtcacggca 840

atgggcccag ccatcact 858

<210> 38
<211> 1314
<212> DNA
<213> Homo sapien

<400> 38
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ggcacacaca accaaacacg aagcgtcaga ccgtcagcca tatgaaccaa cgagagtcag 180

cgcaacgata gatcgaaccg gagcgtaaac accggacagc gaagatgacc acgagcacaa 240

aagggaaaca caacacatca ccaaggcctc gcataccacc gccacccgac ccaacacgag 300

gcactacact ccacaaccac accccgaccc taatagcgca cagccactca ctcgcgaacc 360

acgcaggacg aacagggcac acacccaacc acatcgcaaa agcatgacca cacacgaacc 420

ccacccaagg cacaaacacg ctaccacgcc cgcgcgcaca cacccgccca accacgagcc 480

ccacaccccc ccccacacaa cccccacctc gccaaccaca accccggcaa caaccccacg 540

cacacacacc accacccccа ccacagcaca aaccaggaga gaccggacag cagagaaaac 600

gacacaacga gggggaaaag aggacaacga cgcggagggg cgcagaaaga gggggccgat 660

caccccaccg gcgagcggcg cagagagcag agggggccta gcacgtcgcg cgcggtggcc 720

gcccgcgaat acgacgcgac acgccacgaa cgacccaaca caccagcgca ccgcacagca 780

gcaaaggcga acagcgcgag accagagagg aacagcggac agacacaccg atgcgagagg 840

ccacgaccag cgacgccgca caacgggggа tgacacaagg caggcgacgc agcgagcgca 900

acccacagga agggaagaga agaggggggaa gaagaacgcg aaggcgagac cagcagccaa 960

caggggagct aacggcccac aggccgcggc agcacacgag taaggtaagg cacagggaac 1020

ggatacagca caggaggagg gcaaggaccg gcacgaagac acagggaacg agaggcgcgg 1080

atggcccaca gaaacggcag aaaagaacgc gggaacggac cagaacacgg ggcagcaagc 1140

gcacggagga gccagaggca gcacaaggga accgaaggac gaaggggacc cacaagcaac 1200

acgggacgca ccacaggagc gaaccaagca caaggaagca cagaggggga acacaaacga 1260

cgaagcgacg cagccgacgc agaacgatga aacgacagag cgacaaggcc acac 1314

<210> 39
<211> 418
<212> DNA
<213> Homo sapien

<400> 39
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ggaatccccc ctttcaaatg aggcttcccc agtaatgagg gggattaatc cagaccctag 180

tgtttgtggc atttgtgact tttactcctc aaaagtgagc atacacgtgc ctcacagtga 240

attatcccag aagaacttca ttactctttt tatatttttt ctccgtggaa aatttaaaca 300

aagaaaaagc ttggcgggct acactcagtg gctcataggc gtggatctcc gtggtggtga 360

caattgtgta tactcccgct ctcacacttc tccacacaac tattaccgga ccaacaca 418

<210> 40
<211> 672
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (255)..(412)
<223> a, c, g or t

<400> 40
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gcggcgagag ggatgggcgt ggctaatatg aaagctgcat ctttactagt tagctaccat 120

gcgtcattat ttatcaaaag atatatgctg cttaaacaca aatacgtttt aaaatatatt 180

ttaggcagta gggttttggg ttttttttt tgcaagttct ttgggtgagt aaatttagtg 240

ataaatgatt ttttnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaatgcaaa 420

atgccatcga cgcagaaaat caaagaatca gcttaagttc cagaaaaaag aaaaaccaac 480

caaatgaacc ataagacaac aacaacaaca acaaaaaagg gctttgggga ttcgggatga 540

tattgcatca aatccataca tttacctgag agaagagcga ttcttcaaca ttgagccttc 600

caatcatgat ttccacttca tttaggcctc tgtaagggcc tcacataatg gatttgtgca 660

tgcgcaagtt cc 672

<210> 41
<211> 687
<212> DNA
<213> Homo sapien

<400> 41
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gaccccgtaa aattttaaaa aaaaacaatt acaaagacaa ataaaaacat ctgaaattaa 120

tttggcataa cagaacacaa aacttggttc aacaactcca cagagttaat tactcaatat 180

aaatctcctc catgtgggaa caaaatttca tttgtgcctt catagtagaa caagagtctc 240

atctcgcatt atacccttcg agtctcttat acaattctca cagaaacgtg ataaaattag 300

cctcaaattg gacaaggaga aagagatggg agacccctgg tagcatctca cgtgtcaggc 360

ctccggagaa gggctctgta tagggataac tccctataga ctcttggtcc aagaagaaga 420

cccccaggga attggtcttg gcccattctc aaaggtctct ctcataggtt ctccattggg 480

caaacccagt gcccgcaaca cacggaggca gcctcataaa ctcattaatt aatggggcac 540

tttatattaa aagttcagcg ttattcctcg tgattaataa aatctactgt gtggttcaaa 600

aaaggctggg cgataatcat gggtcaaagg ctgtttccct gggttgaaat ggttatccgg 660

ctcaaattcc acaaattgca aaaaaaa 687

<210> 42
<211> 63
<212> DNA
<213> Homo sapien

<400> 42
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att 63

<210> 43
<211> 470
<212> DNA
<213> Homo sapien

<400> 43
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gaaaattttt ttttttaagg gggtttccca aaaaaaaaat ttttcaggga atataaaata 120

aaaatctatt taaaaattta tcccaggtta ttacatttcc cctccctccc caaaaggcta 180

catttgggag tacaaaaaac atccagtgtc ttaaaacacc tggatctctg gttgcggcga 240

cgttaaagag gaggcaagat agctggcgct ctcacaagca cactctaggg ggtggtcccc 300

cttacgggag ggggagggat atgcgccccc ctattacact cttgggtgca agggacaaga 360

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ggaatccggc ccacaatccc cccacaacta tccccgccca acgaacacgc 470

<210> 44
<211> 713
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (45)..(463)
<223> a, c, g or t

<400> 44
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaggccc tcgcccgagc 480

cccgcgcccc cccgcccccc ccgaagacag cgaggtcagc agagaccgaa gaatcaacca 540

ccaacgacca gcgaaagagg cacatcacaa aaggaaagac agcatcgagc acacaacgca 600

ggctacaaac ataagcgcga cgaaccatat agcgactgga gtacaggcaa aacaagacat 660

tatatgactg gcacgaccgg tgcgcacacc gctgatagca gacgacacag aag 713

<210> 45
<211> 488
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (254)..(365)
<223> a, c, g or t

<400> 45
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gccaccatta atgtaagcat tcctctgttg aaagacattt ggattctttc ctgtttttc 120

tgtttatgta tgtatgtatt atatttttta ccttgaggca ttcttggaca ttcttcttgc 180

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ttatgtaaaa atannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnaaaaa aaataaaaaa aaaaaaaagt tgggggttaa cagtgggcca ttacggtgtt 420

cccgtgtggt aaaatggttt attccgcccc aaatttttccc cacaattttc ccaccaacaa 480

tacaagag 488

<210> 46
<211> 487
<212> DNA
<213> Homo sapien

<400> 46
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ctgtgaaagg aaaacggagg gtagggattt ttaaacctac atgtttccca gggcctgggg 120

caagtcttga gtagactgtt gcagtaaacc gactcaaagg cctatcacct ttcttgtgag 180

gctcaaggtc taatcattaa ttgacatgaa aaccacagga gagaagcaaa cccttctgtg 240

ctgggatctg tgccccagtg ctccatgttc cctgataggc ggctaatgga attcataaaa 300

taaatgacat gcctcttcct aaaaaagaaa aaaaaaaaaa acaaaaaaaa aaagagagct 360

tgggggttac tccaatgtgg ctcatagcgg tgttccccgt gggttgaaaa tgtgggtttc 420

tccggcctcc acaattctcc cccacacctt ttcgcacccc aaggggtcgg agcggaggaa 480

gacaagc 487

<210> 47
<211> 667
<212> DNA
<213> Homo sapien

<400> 47
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agagggaggg agagggaaag agagagatgc tttggggtgt atttggccag aggccaccag 120

gctggatccc atgaagaaat ctgggtgaga gggtcttaaa gtcataaact gagatccagt 180

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tctgtgtctc tctgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 360

tgtctcctca ctctttcatc ctatcattac atagtagtat aataataaat attagagaga 420

tacacagaaa atatatagag aagataacag tgttctctat aaaaaaaaaa cagctgccct 480

ctctgcatag cttctaacaa ctcagcaact ctcgcagaaa agagcacaaa acgggagaaa 540

caagaaacaa acgggagaca agactagaga aaacacagga cagcggacaa aaccacgtga 600

gggagcaaca ccagaggggc gaaccacatt accccacaca cgtgaaaaag cgagaccagg 660

ggggaga 667

<210> 48
<211> 1677
<212> DNA
<213> Homo sapien

<400> 48
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cacggcgtgg gcatctacgt gtctctggtg gaaccaggct ctctagctga gaaggaagga 120

ctgcgggtcg gggaccagat tctgcgcgtc aacgacaaat ccctggcccg ggtgacccac 180

gcggaggccg tcaaggctct gaagggctcc aagaagctgg tgctgtctgt gtactcagca 240

gggcgcatcc ctgggggcta cgtcaccaac cacatctaca cctgggtgga cccgcagggc 300

cgcagcatct ccccaccctc gggcctgccc cagccccacg gtggtgccct gaggcagcag 360

gagggtgacc ggaggagcac cctgcacctc ctgcaaggag gggatgagaa aaaggtgaac 420

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cttctaacaa ctcagcaact ctcgcagaaa agagcacaaa acgggagaaa caagaaacaa 1560

acgggagaca agactagaga aaacacagga cagcggacaa aaccacgtga gggagcaaca 1620

ccagaggggc gaaccacatt accccacaca cgtgaaaaag cgagaccagg ggggaga 1677

<210> 49
<211> 802
<212> DNA
<213> Homo sapien

<400> 49
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atcccaagca ctttgtgaag ttcaaacagt tgtaaaacca gccgtgggtt aacacgggac 180

tccatctcta caaaaaaaaa aaaaaaaaaa aatgggggggt ggggggcatg tggcgccgtg 240

ttacccccag agttaacccc taaaagctct ggggtggggg agaggaactg gctgggagcc 300

cccgggaagt tgggaaacct gcgagtaagc cttaaggaca ctcccgcgga gtggcccact 360

cccaaggcgg gaaagtggag gagaaccaaa aacttgtggc cctcaaaaaa cacagaaaaa 420

acaattacat tcccagagtt cccgggacat cttccttaaa cctccagaga ggccccaaaa 480

ggagaaccgc gtggaaaacc gagggaaacc cctctcaaac tgaccggggt gaaccacagg 540

cgcgacacac ggcgaaccat gggggggaac ccccacaaac acagatcccc caaataaaaa 600

gggggcaca acgcggggct cccccagaga caccaccggc gctgcgggac ccccgggcgc 660

cgcaggaaac aagggcgaac acgcattggc ggcaaaaggc cgtgggcggt aacccccacg 720

ggggcaaaaa ccgctggatg cccgggctgt aacacagggg gataatcccg gccaacaagg 780

cccccaatac cagcacccac aa 802

<210> 50
<211> 918
<212> DNA
<213> Homo sapien

<400> 50
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gccaatgtga tggatgcgtg gtcgcggcga ggtaccaaaa tacagaagct gattccaaaa 120

tctatgctcc ataaccatcc gagactgccc aggctgcaat ccatggagac agcgagaaac 180

atgacaacaa acaaatacat tgcccgagtc tgaaatctga ctctggtttc taattctacc 240

actaaacttt ttataatttc tgattataaa aataatgtga aaataacata gcaattaaca 300

tctattgatc acttgggact aagcatctgc cagagatcat ttaattctca cctacaaagt 360

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aggcaagata agattcagac tcaaaaggcc agaggatcag agttacactg ctttcctgca 480

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cttatttctt cggagaaacg tcaaatgttt catatgattc attattctta tttttacttt 600

tgaatttggg gttcattgtt taattataaa agatggctct tttactagca aaaaaaaaaa 660

acaaaaaaaa aaggcctggg gggtagcctc gggttcataa gcgggtcccc ctgggtggac 720

attggttatg ccgcgccaca attccccaca atttacgact acacaacgta ctagcaagca 780

ccagactacg acactaaaca tcacacacaa cagtcaaaaa acagccaccc gaacacagca 840

aaacacaaaa acttcaacac atcacacaac agaacgacaa agagaatcaa caaacaaagc 900

ggacaacaac cacacacg 918

<210> 51
<211> 985
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (856)..(856)
<223> a, c, g or t

<400> 51
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ttttgaatta gcctcattaa acttttaagt aatgactcct gaaaaaggac aaagggataa 240

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ccatgtgaca caggatgtgg tctgatattt agtctaaata catgcttcac ttttttttctg 360

ctacagagaa ggcaattata atgctccttt tgttatgcaa ataacttctc agaaaagtgc 420

cctctctcct ccttaaaaac tagatttact cagactaggg tgaaaaataa aagtcaatcc 480

tggcatttaa gtggtttctg gccctcagaa gccatcttag tagaaggtga tgaatatgtt 540

tcagtggctt cctacttctg gaatatgagc agggtcagtc tacagcagag tcagaagggc 600

tgtccctcca gggatccagg aaggctgtaa cctcagtgta taaccccagt ctttgggggga 660

acaaagtttg acacttctga agtgttctgt atttcatttc ttgggaccct aaccccataa 720

actataataa aatggggtaa gtggaatgag tgtaataaat caacctttt cactcacata 780

acgttagctg ttataattat tcttttatgt aacaaatgcc taagttaggt atgggttttc 840

tagaaaattc agggangggg ggggaaatac ttaaacaggg ccttcaaaac caagcaatat 900

gttgtttgtt tgctcccata cgaagcttgg gtttccaaaa gggggggccc caggggaaag 960

agctttttta aggaaacaaa aacac 985

<210> 52
<211> 669
<212> DNA

<213> Homo sapien

<400> 52
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gtggaaatgt gggcaggtct gagggtgggg aaaataaaag gataaaatac ccctgaggga 180

ttagatatat ttaaaatcac aaaggtatta tatcacagat ctataacttt actaaaatat 240

aaaaatgaat gaaaatatat ttggtattat tttatcttag ccctgtaaga gaagctaatt 300

ttctcttgtg gctcttcagt ttttagtaag agaagtgcaa gcaacttttt cttatgggcc 360

gggatgaaaa atagccttat gaactcccag gaggagtttt ttcttaaggg gatacatatc 420

atttaaacca cagaagagag gtaagtaaag ggtgagtaac ctagattgtc tagaaaaagg 480

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gccacctata cctatggaca tgattagaaa gaaacaatgg gaggcagttc tgtaacagtg 600

gaatcatttg actcaaagtt gggtaatcag gtcatagctg tttctgtgtg aatgttatcg 660

tcacatcaa 669

<210> 53
<211> 837
<212> DNA
<213> Homo sapien

<400> 53
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cgtgaaccgc aggtgactcc ctccgtgccc tcgcgcctcc tgaaaatgtg gctggtgtat 420

taaacatgtt tggtgagcca acctattgtt ccagccacaa aaaatattat tttcttaatg 480

tcaatgtttt tggagtcttc aacaccttat taattctttt ctacagtggg ctattatact 540

aatattattc cccaatattg ggatattatt attggagatt gttgttatcc acaaatatgg 600

agaatatgaa tatgggcgaa atatcgctaa aaagaaatct tcagtattcc ttattattca 660

aatgttattc acaaatatta ttctcacaaa atatttcttg aactctataa acaaaaatat 720

aaaaaaaaaa aaaaaaaaag gcttgggggt actcttgggc caaaactggt cccctggttc 780

gaaattggtt cccgtcccaa tcccacctcc tccaacaaaa aggaaaaaaa gaaaaaa 837

<210> 54
<211> 718
<212> DNA
<213> Homo sapien

<400> 54
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gaagtcgccg atggatgcaa atcaatgaat cttacttgca ttccttgtga tcctatcctg 180

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gataggatct ctgtatatag aacacatcct aaggattgct atcaggataa aaattattag 540

actatgaggt tggagacaag ggtcgcagaa taaatgtgta tttctacaca cgagcaatga 600

acaatctgaa catgaaataa taaaacaatt ataaacagca ttaaagacag cttggcgtat 660

catgtcatag ctgttcctgt gtgaaatgta ttccgtcaca ttcacacact agagcagg 718

<210> 55
<211> 913
<212> DNA
<213> Homo sapien

<400> 55
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tgctccctgg gactgtagtg acccttttctt gccatcccca tccccgtgaa gtctgaacct 120

tgagggagac aacgagtcgg agggagtgag ctagggcgat gcaaactata ctagaatgga 180

gtgccttgga gggtcataat atgttaggaa tggatagata gaggaaatgg aggatgataa 240

agatggcagc atacataggg gtacatacag tcaagaaaga gtggaaaaat agggaatgac 300

atgaggaagg gatgaaagtg gtagagtgcc attgtaattt gcatgagtaa tgctggaaag 360

ataggtcgcg gagcggtagg acatgatgaa gtggtaggcg catgtgaaga gggaacgcgc 420

aagatgatgc cttcaggagc gtttcgtgac tcgtctaccg tgggggggtta tatcaggggg 480

gcatagcatt aaaatagtaa catccctatc gtgaatttac tatctttggt tactaggagt 540

catggtttat atggcgctcc atgcaaagaa gtgctacggc tcagggcact aacactaagg 600

tgcaattttc gctacctcgt ttctcgtgcg acgttgtgca gtggtcgttt actgtgcgta 660

ttaagaggcc acctatttgc acagagagtg agagcaattc aacacataag ggataaatgg 720

ggctgggcaa ggctagttag tagcccaagc gtggccacgg gtgttgacct gttagggcct 780

gacagcattt gacttttagc caacaaagag ttccggctgt gggaaatctg ttagtcaaac 840

attcgcctaa cttccaggca aatcttcggt agctagcttg ggaatcagtg ctgtgtccgc 900

gcatgttcct cct 913

<210> 56
<211> 1203
<212> DNA
<213> Homo sapien

<400> 56
ccctcaaaac tgactctgtt ccacaataag ggctttagtt ccctggccgg ggacatcttg 60

atcaagttag aaggccgaag atcagtaaga tggtattgct gaataggtac atatctgggg 120

tgtgtgtgtg tgtatgtatg tgtgggtgtg tgtgtgtgtg tgtgtgtgtg ttggtgttga 180

taaaaacggg gagcaatgct aagatttctc atgagggtgg atttacttta aacagtttat 240

accctcctac cctaaccatc cattcacacc atgacacctg tgcccttctc cctctaggga 300

aacggcaaca agcctcccag tactgacctg aaaacttgtg acaagaagaa caccaacaag 360

tgctccctgg gctgaggacc ctttcttgcc tccccacccc ggaagctgaa cctgagggag 420

acaacggcag agggagtgag ctagggcgat gcaaactata ctagaatgga gtgccttgga 480

gggtcataat atgttaggaa tggatagata gaggaaatgg aggatgataa agatggcagc 540

atacataggg gtacatacag tcaagaaaga gtggaaaaat agggaatgac atgaggaagg 600

gatgaaagtg gtagagtgcc attgtaattt gcatgagtaa tgctggaaag ataggtcgcg 660

gagcggtagg acatgatgaa gtggtaggcg catgtgaaga gggaacgcgc aagatgatgc 720

cttcaggagc gtttcgtgac tcgtctaccg tgggggggtta tatcaggggg gcatagcatt 780

aaaatagtaa catccctatc gtgaatttac tatctttggt tactaggagt catggtttat 840

atggcgctcc atgcaaagaa gtgctacggc tcagggcact aacactaagg tgcaatttc 900

gctacctcgt ttctcgtgcg acgttgtgca gtggtcgttt actgtgcgta ttaagaggcc 960

acctatttgc acagagagtg agagcaattc aacacataag ggataaatgg ggctgggcaa 1020

ggctagttag tagcccaagc gtggccacgg gtgttgacct gttagggcct gacagcattt 1080

gacttttagc caacaaagag ttccggctgt gggaaatctg ttagtcaaac attcgcctaa 1140

cttccaggca aatcttcggt agctagcttg ggaatcagtg ctgtgtccgc gcatgttcct 1200

cct 1203

<210> 57
<211> 377
<212> DNA
<213> Homo sapien

<400> 57
cggcctcaca aagtgctggg attacaggca tgagccactg cacccagcct ggggaatctt 60

ttataatggg ttatgaagtt tacagacttc attcagattc cactaaattg gattttatga 120

gaattcagct gcagctgaca tttacctctg gtctaactct gaaaagaaaa attgtttccc 180

aaaaggattt gtggtatatg tagtattaag ggtggggaag ggctatttaa tgtaggtaag 240

ataaagaact ggttttaaga actttacata gtgattacat agaaatggat gtgggtagtt 300

acaaagggtt cttatctatt cattcatgcc cacctgccca gccccctgct gattcagacc 360

agctttcact gccaaga 377

<210> 58
<211> 1527
<212> DNA
<213> Homo sapien

<400> 58
ggaggcttat tcgccgagag ttttttccca ccttgaggga tgttttcgcc cggcctgttg 60

tcccctctgt ttgcccaggt tatgaaggct gtgtgcccag agatgtgtgg gaagacccgg 120

gagccccttt tgggggccgt ccccttttatc tcggtttaat aggcccccag ggagtgcgcg 180

gccttgttgg cgcttttttag tgactcgtac ccccttttttg aatcgcaccg ccaaaacctg 240

tggagatgtt ttttccccgc gaaagactgt ggggacaagg caaattcggt tgggggcccc 300

acagggcttg cacacaaatg gcttgggcgc cttcctggag acacatctgt gggggaacac 360

acgggtttga aagcagttgc aaaccaaggg aggattgtcc ccggggtttt ttgtgaggat 420

taggtgaacc cccccacgtg tgtgaaaagt tttaagttcg tgagctgttc gaaccgcacc 480

gcttggatat ttttcttccc cggggtgtag gaaggccccc cggtgtgcaa cacactgggg 540

gggtatatag ccgtcccccc caggggcgtg ttttcgcgtt gtaaaacttt tcccgggggc 600

acccccccgg gggttgttta aactggagag ggagtttttt tttccgcgtt ggaaacattg 660

tcacacacac gttggaggcc tgttgtaacc ccggagggtt gtggattgta gacagatatt 720

gaagcgagga gatccacttc ttggttgaga aggcccccac ctggaggtgg aaatcttata 780

actcggggtt ttttctggga gaaaagaaaa gttcctcgag attcgcgccg cgggagagcc 840

ctctctaata tggttaatat cgtttggaga catctcacac agaaaaatgg ccccaaacac 900

gctctgagtg tggagaagtg atacattgag aagagagggt ctccaaggaa gaactctttt 960

gtggggccaa cgcgcacagt gttcacacac acaacatttc tgttctcttc tttgggagtt 1020

tgaccgcgag ttgaacgggc tcacccgcag agggccaata tatttttaaa aaccacactc 1080

ttggcacaaa cacattgtgg gtcaccaatg cacaaattat ggtgggtcaa taatgaccac 1140

gactgcacat tccgggagaa caaggggtaa gcacaataac ttgctttgag agaatcacca 1200

ctttcgaact cggtctgctg agtctgaggt ttttagatgt ttaaaaaatt taatgtggag 1260

aattaaatta aaaggtatgt tggctatatt cgctaccaca tttcacattc ttttgagcct 1320

tatgtgaata ttttactgga aaataagact aataaattgt taacagtttt taaaaaaaca 1380

acaaaaaaga aacaaaaaaa aaagaaaaaa caaacggcca caccgcaccc ccgggcaaac 1440

acggcccccg ggggccctcc ggccccctc gccccccccc gcaacttttg tccccccgcc 1500

ccacccccc ccacttcccc cacacct 1527

<210> 59
<211> 532
<212> DNA
<213> Homo sapien

<400> 59
cgcccgggca ggtacgtaga tgccattgcc atagccatcg ttggattttc agtgaccatc 60

tccatggcca agacctgagc aaataaacat ggctaccagg ttgacggcaa tcaggagctc 120

attgccctgg gactgtgcaa ttccattggc tcactcttcc agacctttc aatttcatgc 180

tccttgtctc gaagccttgt tcaggaggga accggtggga agacacagct tgcaggttgt 240

tggcctcatt aatgattctg ctggtcatat tagcaactgg attcctcttt gaatcattgg 300

cccagggtgg ggtggtcggc catggtgatg tgtcaacctg aagggaatgt ttatgcggtt 360

ctcagatctc ccctttttct ggagaaccag caaaatagag ctgaccatct ggcttaccac 420

ttttgtgtcc tccttgttcc tgggattgga ctatggtttg atcactgctg tgatcattgc 480

tctgctgact gtgatttaca gaacacagag tccaagctac aaagtccttg ga 532

<210> 60
<211> 499
<212> DNA
<213> Homo sapien

<400> 60
ttttttttttt tattcaaaag tggaatttat ttctgacagc tctgaaggct gagaagctca 60

aagttgaggg gctgcatctg gtgagggcct tcttcctggt gggaactgtg cagaatcctg 120

aggtgacagg gcatcacatg atgtgctggc tcagttctct ttcccctgct tagaaagcca 180

ccagtcccac ttttgtgaca tcccattaat caatcaaccc atgaatcctt gcgcgggtta 240

atctattaat gagggcagag ccctcattga ccaatcaccc cttagagagc ccccaccttt 300

taatactgcc acattgagga ttgagtctag aggggaatgc taccattcca cccctgatcc 360

cccaaaatca tttccttctc acattcattc tactcccata gttccaaagt ctgaactaat 420

tccagcacaa aattccagtt caaagtccag agcctcactg tgtgagcctg tgaaaccaaa 480

acaagctctc ttcttccaa 499

<210> 61
<211> 544
<212> DNA

<213> Homo sapien

<400> 61
tggtcgcggc gaggtacttc tgttccttcc accctagccc cacctatcct ctccccatcc 60

aagagcaaac agctctgaac agtctggagt agctggagac actcctcatc ttggcactct 120

ccttgccact tgccatctag cagagctgga tgcttccctt gagcgctctc tgctccatcc 180

cccaggtatc taggctgcct cccatctccc ccactggcat ttgaacttta agagcctggt 240

ctttgtgctt ggaatccaat gcaaaggctt cccataacta gcactccata aacaactttt 300

gaacaaaaat tcaaattccc agtggttcag ttgcaccaag ttcaagacta agtatttcaa 360

ataaaaaaaa aacaaaaaaa aacaaaaaag ggcttgggcg gaacctccat gggcatctag 420

ctggttcccc gtttgtgtgg tcattggtta tccggctcac atttcccaca cactttcccg 480

gcccacacag cagatgtgag agagacaata tccgcgccga gacgcagcaa cacaccgcca 540

cacg 544

<210> 62
<211> 589
<212> DNA
<213> Homo sapien

<400> 62
gcacccaaat cactagcact ttctggaaca tggcaggcct tctttggctt tctgctgtgt 60

acttctgttc cttccaccct agccccaccc atcctctccc catccaagag caaacagctc 120

tgaacagtct ggagtagctg gagacactcc tcatcttggc actctccttg ccacttgcca 180

tctagcagag ctggatgctt cccttgagcg ctctctgctc catcccccag gtatctaggc 240

tgcctcccat ctcccccact ggcatttgaa ctttaagagc ctggtctttg tgcttggaat 300

ccaatgcaaa ggcttcccat aactagcact ccataaacaa cttttgaaca aaaattcaaa 360

ttcccagtgg ttcagttgca ccaagttcaa gactaagtat ttcaaataaa aaaaaaacaa 420

aaaaaaacaa aaaagggctt gggcggaacc tccatgggca tctagctggt tccccgtttg 480

tgtggtcatt ggttatccgg ctcacatttc ccacacactt tcccggccca cacagcagat 540

gtgagagaga caatatccgc gccgagacgc agcaacacac cgccacacg 589

<210> 63
<211> 212
<212> DNA
<213> Homo sapien

<400> 63
taagcccttt atagcttaat tctatatatt aaattttccc agttgcgaga aaaaacaaaa 60

caaaaaaaca aaacaaaaca aaacagcgct gggcgcggta acacccaatg gcgcccaaaa 120

cgcgtggttc ccgtggtggt ggcacatatg tggtgatatc ccggctccaa caaattccct 180

acaacaaata acgggaagaa aaggccaaaa aa 212

<210> 64
<211> 658
<212> DNA
<213> Homo sapien

<400> 64
gcgtggtcgc ggcgaggtct ttttttttt ttttttttt ttttttttg ggcgcctggg 60

ctatgtttaa tttgggcaaa gtaccttata aaacataaca ggcaaataac caaaaaaaaa 120

catccttgac ttaaggaggt gaaaaataat ctcatgaaaa agttaccact aggataagtt 180

agtgcaaatc cttatccata aaaatactct cttaaggggt gcagtgaagc gtcggcgtac 240

actcgagggc tcactagcgt gtccgcgggg gtgaaagtgg tacactccgc ctcacaatcc 300

cacacaacca atcccgagaa cgcacacgga accgcaaccc aagcacacaa gcagacgccg 360

acacagaccc gcacccccag caagccaccc ctccgcagcc caaccaacga ccaccaccgc 420

aaccccaccg ccagcgcacc acacgcgcca cacgacacga acacccgaaa cgaaccacga 480

aaccagcaac caagccagca aacaccaaac caacaccacg acaggcaacg cacgaagaca 540

accaaacacc aacgacaacc cccagacaac acccacccga cgcaccacag cccaccacca 600

cagcgcgcca cccaccagca caccggacca cgcccggcag cggccgcccc accaaccc 658

<210> 65
<211> 226
<212> DNA
<213> Homo sapien

<400> 65
taatgacata taggcgcatg gttccctaat gcatgctcga cggcgcaggt gatggatact 60

gatgcccatg tggttgattt cagtctccag gtcaactgag atagtgtgac ccagagctcc 120

taccctaaat catgtggttg gtcttcccac tctacatcaa aatgttgcta tctgggatag 180

cccaagatcc ccagacaaac agagattact taccaaggac aaaggc 226

<210> 66
<211> 430
<212> DNA
<213> Homo sapien

<400> 66
ttggcattag caacctcaaa aactctggaa aaggcttcat tttctccagt ctcctgggag 60

aggagaggca ccatggaagg cagacccatc cagagaacac ctgcgacagg ctgagaagcc 120

attgggagac acacttctga acaccaccac tggaaaatca cacatgctga aatgggagag 180

ttccctgacc cccttgcagg atatgtgaca ggagtgtggc tcatctgttc agctggagtg 240

catactcaaa ccccttatga gacaaggagt atgcagacag aaggtgcagg aactgggaag 300

caaaatatta actagttaat ttgatctcca agagttaagc ggttttaata ttactgacag 360

taatatcagc agtggtgttg gaaccccatg atctcatgaa tcatagatag caactgctta 420

ctggacattg 430

<210> 67
<211> 813
<212> DNA
<213> Homo sapien

<400> 67
aaatggacgt gcagactcaa atgaccgcat aaaccagatc agggaaaaac agataagaag 60

ccagcatgac aataaagtga aactcaggcc aagagaagac agggagagac gaggcagcgc 120

atcagccggt aaatagcgag cagccgacca gaaccagcaa ttacacatcc gcgagcacga 180

cctagacaaa cagacataga cgcatacagg cacagaaacg agcagaaggg acgagacaga 240

gaaaaacaag acaacaacgt caaaaagagc aggacaaaaa agagcataat caagaggaca 300

acaaaggacg aaagaaacag caagcgaaaa aacaacacat gaacgagggc gcaaagaaaa 360

ggcacaagcg aacaaaaagc gaaccacagg gagaacgagc gaacaaacag gaggacggcg 420

aaaagtgaag agaacgagaa taacaccata aatgacacac aacgaacaca caccacgtga 480

cgcagagaaa cgacaacaga aacacgaaag gcacagcaaa acgaaacacg acgcgagtga 540

cgaaaagcca cagacaaggg cgtatacaaa ggactacgca agcgcagtaa cccaaccaag 600

agaaaacaca caaacagggc gagcccgcac acatggcaca gaccaccaga acgcatgaag 660

acgaacaaca ccgagcagca cgaagccaca agagggaaaa gcgaggcgta gctaaatacc 720

aacgcggaaa agtaaaacag caggaaggaa agcagaagac aaagcagaga cataggagtg 780

acacagacca cgaaaagaag acaatgacag gat 813

<210> 68
<211> 444
<212> DNA
<213> Homo sapien

<400> 68
caaacaaaca aaaaaaaaaa aactctggtc tcctttagga tatgttaccg tgccccacgt 60

gcagactaga agaaattaac tggtgttttg gaacctttt acgtgcaaac ctttgaaaat 120

gtgctagaaa cccaagcatt gaagaattaa attactgtgg gtgggaaaca cacgggcatt 180

gtgcattatt gcattattac atttggtaag gtttagtaag gtttaggaaa ggcatagcct 240

tgggtggtat tcttgaacac attgaattcc ttttgtgggc tcaggtgtag gaaaggcacg 300

agccagaatc catataggga attgaatacc ttcaaatctg gtggtctgga ggaattctag 360

agatttaacc cactggtggc ctatttttaa acaaacaaca aaaaaacaaa acaaaaaaaa 420

caggcggggg gcggaacccc gggc 444

<210> 69
<211> 273
<212> DNA
<213> Homo sapien

<400> 69
ctgatataga tgtaattgcc aaaaatatta tagaaaactg gctccggttt tcacatagtg 60

tggagtgaat aaacacaaat ccagattcac ttcagaaaaa aaaaaaaaaa aaaaaaggtg 120

gggcggtaac catggccgac agctggtccg tgtgtgaaat ggtttcccgg ctcccatccc 180

catttcgacg cccaaaaagg aaaggggaag aaggaagacg gacaacgaag ggtcagaaag 240

gaggcaccag cggcagaggg aaaagctacg gga 273

<210> 70
<211> 1397
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (255)..(255)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (623)..(623)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (628)..(628)

<223> a, c, g or t

<400> 70
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gaaaaaaata agtttcaggg ggcaggattg gaggggggggg ggagcgaggg gatatgtggg 120

taaaaaccag gtccaaatct caccaataga ggaatttttc aaaatagagg ttattcccac 180

attagatcca tctcatcctt cctctccctc tatccttcag aggttcctct cgttttcgcc 240

ttctctgtaa ccccnctttnt ctctttctttc taaccacaag cctctcttcc ttctaatctc 300

ttctcctcgc gtctaatctt atacnctctc tctccaatct ggttatatat accncnctat 360

ctcttctaat ctcccatctc ctctcactct cactctctct cacacactct cacaggtctc 420

gctctcgctc tcttctcaca cccttctcac tctcactctc actctcaatc tcactctggt 480

ctcactctcc tctggtctct tctcccacat tacacgctgt gagacacatc tcttcccatc 540

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tctcaatatg gcgccggtct cggagacgat cacttgtgtg tgaagagttt gccgcggtgg 780

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caagcgggtt ctctataaga gcctcccctt gggacgaggg gttctatttc ccctaaaacc 960

ttttttttcc acgaggggggg gccatcccta tatttggggt gtgccctgtg aaggggggtcc 1020

ctctttaaac atcttctctg tgttttgggc ccacccttttt ataaacattt ttaacgcaca 1080

tgtgcccttg taaaagggtt ttcgcggaca ccacctcttt tattactcag ggcccacaat 1140

ttataccttt tccccaagag gtgcccccccc ccctctctga agggaaaaac ttccctgcgg 1200

ttaattaccg ggcgtattaa gaggtttcaa aacagggccc tttggagggc ggggttaaaa 1260

ttccaattgt ggggctcgcc aattaaaggc ctggggtgtt tccccctggg gttggttggc 1320

gacaaaacat tcgggggtct aatccccggg gctctcacca aattcccccc attcctcaag 1380

cgacccagac ctacacg 1397

<210> 71
<211> 844
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (595)..(595)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (644)..(644)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (695)..(695)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (758)..(758)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (783)..(783)
<223> a, c, g or t

<400> 71
gcggccgccc tgggcaggtc cccccccttt ttttttttt ttttttttt ttttttttt 60

ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 120

taaaaaaaaa aacacccgag gatgatgagt ggggggggggg agaagaagaa gaaagaaaga 180

atagtggttg gtggttgttt gttatataaa aaagatggtt gtggtgtttg attgtgatgg 240

agagaagagg aggtgtggtt cttgttgttg agatagtggt gggtgtggtg tggaggtcga 300

cacacccagc acaggcaggg tggagtgccg tgaatcagct atctgagaga gagagagagg 360

agagagtata tatgtagggt gtgtgcgtga cacacaaatt ataatgtgta gtgtgtgtcg 420

tctcgtctct gctgctgaga gatgagagag agagagagtg tatatatatt gttgatacac 480

acacacacac acgacaccat gcgtcgtgtc gtagtcatca tcaacaacat caacaacaaa 540

ataatagtaa tagtagtcat cgtctcgcag cagcagcgcg agaatgatga tgatnagagg 600

gtagtagtgg tggtggtgat gatgatgaga gtgatggtat acgntctgta gtgtcatcag 660

tgataggtga gtggtagtga tcatcatgat gaganaagaa ctaaataata atgatcatgc 720

atcatcataa taattattac tagtagttcg tggtggtngg tagggaagat ggtgcggagc 780

aanatagaga agtaagagca gcaggtagct gctgctgctg ctgactgatg actgatgatg 840

atta 844

<210> 72
<211> 738
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (327)..(327)
<223> a, c, g or t

<400> 72
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taagctacca tggactcccg caagttttgc caataaccct cgtgatgcgt ggccttctgg 120

tcacagcgcg tctcgcagaa gatcactatg gctgtagcat ttcagtcgct aatcccgtgg 180

gggttgcagc tctgtgtcaa taaagttgcc gctgatgagc ttgtactcac aaggaaaatg 240

aaggctaagt acgcaagtat ttctagcaga caacatactg attgatacga atgacatacg 300

attatagagt ggacgatgaa cgagaanggc taggatatct ttgtcaggaa gtagtcaatg 360

tcattcgttg tgaataatca caagaatttt ctatacgagg ttggattata ccataggaag 420

ttatggtcga cttgacttgt gtggtatcct tggaacatca tagactacaa tagaatcatg 480

tagggctaaa aggaaagact aagctttccc ttcctttgga agtaaacatt aaaaaccaaa 540

ttataaacaa aaaccgaaaa gagaaacaac atacaacaga acatcaacaa aacagagacg 600

cttgggggggg aaaactctcc gtggggctca atataggcgt tgtattcccc cgcgtgtgtg 660

gtggaaaaat gtgtggttat actcgcgggg cccaccaaaa ttctcccaca cccaaatttt 720

tcggccgcac gcaaaagg 738

<210> 73
<211> 292
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (236)..(236)
<223> a, c, g or t

<400> 73
gactaagcat aatggcgact ggcccatcta atgctttgaa cggcgcagtg tatgatgaag 60

ctgaggtgga ggatacttaa gccaggagca gaggtcacaa tgaagcgaaa tgtgcaactg 120

cactccagcc tgggcacaga ggaagatctt cacagaaaaa aaaaaaaaaa aaaaaaaagt 180

ttggtacatg gcatctgtcc ctgtgtgaat gtatcgcggc aatcccaata agaagncgcc 240

acagaataga gagaaataag ggaacaataa taccaagcga agaaaggaaa ta 292

<210> 74
<211> 785
<212> DNA
<213> Homo sapien

<400> 74
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gggaccttct cctgaccaag gggatcacca gaaaaacctc aacactgaat tcccagaaca 180

tgatgggatg ggaggtcatg atgcgcctgg taatagcccc ctgtttcaga gatttggtac 240

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agtcaggcaa cccacactta gagaataaac tatattctaa gagccacaag gctttctgtt 420

tctctattag ccaaacacac actagccttg ggatagggaa tattaaaaca attgcagctc 480

cactaggtgc caactaactg actctgtttc accagccata gcagctgtga ttggacaaga 540

gactgatttc agtgactttc tcctaataag agaccaccga cagctgacat gccgacagct 600

gacccgttaa tagagagaga tgatgcacct gcatgccttt gtgtctgaaa agacgtttgg 660

cataaaggcc ctaattgtag atgtgtaatg taagtctcca cccaagtgaa catgggtcct 720

attttcatgt tgctcaaaaa gggtgtgtcg ggcacttatg aatatagtcc cggtacgtga 780

ttgtg 785

<210> 75
<211> 1226
<212> DNA
<213> Homo sapien

<400> 75
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acaaccagat gttcaaggat cctccccttc tctgcccagg cctggcatca gccattgttg 120

gcaggagata atttgagcag atcgtgtgga tttcagaagc atgaaaacta ctgtgaggat 180

taaataagtt agcatgtata acattctggt gcttttgtgg agtttccaaa ttgtcatgaa 240

caagcactac tttatagaca ggaaaaaaag tgattcaaaa tgtgaaaacg ggtatatgta 300

aaaataaaat cctaagcccc ccattgacca aagggacctt ctcctgacca aggggatcac 360

cagaaaaacc tcaacactga attcccagaa catgatggga tgggaggtca tgatgcgcct 420

ggtaatagcc ccctgtttca gagatttggt actaccacaa tctggggcgg cgattcatgt 480

taaaacagag atcgtaagac tgacagaacg gactctgtgg caataagata ccaaattata 540

aacaggaccc aaagccatgc taggcgaggg taagtcaggc aacccacact tagagaataa 600

actatattct aagagccaca aggctttctg tttctctatt agccaaacac acactagcct 660

tgggataggg aatattaaaa caattgcagc tccactaggt gccaactaac tgactctgtt 720

tcaccagcca tagcagctgt gattggacaa gagactgatt tcagtgactt tctcctgata 780

agagaccacc gaccagctga ccatgccgac cagctgaccc gttaatagag agagatgatg 840

cacctgcatg cctttgtgtc ctgaaaagac gttttgccat aaaggcccta attgtaagat 900

gtgtaaatgt taagtctcca ccccaaagtg aacatgggtc atatattaca tgctttgctc 960

aataagaggg catgtgtcag gaccaccttc atgaatattc atagctcctc ctgttacctg 1020

ttgaatatgt atgtttagcc aatcccttca gcatagcgct cctgccccaa cccctcctcc 1080

ttggacgtgc ctgtctctgg ccttggctgg agacagattc ccagcctcag acagatggcc 1140

gccaccttgc aggctacgac cgtttacaag aaataaagcc ttctcttttt ccaaaaaaaa 1200

aaaaaaaaaa aaaaaaaagg gcggcc 1226

<210> 76
<211> 792
<212> DNA
<213> Homo sapien

<400> 76
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ccggttatca agaaattctc tgtgcctcag ccactcctga aatagcgtgg gaccatacag 180

gacccccata accacgcccc agataattga ggcgtattta taataaaaaa caagggtttc 240

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caccacaccg cggccttgac aaattgactt gtggagctca tcagtttagc gcactcaaaa 420

agttcaacaa atttaggcga acatttctca aaattacaag agattatagg cgctacagga 480

gaattgtaca cacattttca atatagtgtc cacagtggcc gtagttctgc atgtgggggg 540

aaaaaataca gggcgctcaa ttaattagat gttcaccatt caccgagtga ggatccccca 600

taaaattttt aggcgaccac atatacttat tggctccgtg ccaattcctt cattattccg 660

agggcccaaa cttttcttta ccagctcatc agcgatcatg ggaaaccctt ttgtagttta 720

cacccacaag agggttggca ggtggaataa gccccttttac gttatgttgc ttatgaaggt 780

gatatcgcta tg 792

<210> 77
<211> 946
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (177)..(198)
<223> a, c, g or t

<400> 77
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caaatgggtt aaacttttca ttttgatcaa gaagatgcca ttgtttaaaa tggtagnnnn 180

nnnnnnnnnn nnnnnnnnga aatggagtct cgctctgtcg cctaggttga attgcagggg 240

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tcagccactc ctgaaatagc gtgggaccat acaggacccc cataaccacg ccccagataa 360

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gttctcaaat ctctgtgacc tctcaggtgt gatctccacc gtgccttcga gcttctccac 480

aacaaggtgc ggggattaca cggggtggta aggccaccac accgcggcct tgacaaattg 540

acttgtggag ctcatcagtt tagcgcactc aaaaagttca acaaatttag gcgaacattt 600

ctcaaaatta caagagatta taggcgctac aggagaattg tacacacatt ttcaatatag 660

tgtccacagt ggccgtagtt ctgcatgtgg ggggaaaaaa tacagggcgc tcaattaatt 720

agatgttcac cattcaccga gtgaggatcc cccataaaat ttttaggcga ccacatatac 780

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catcagcgat catgggaaac ccttttgtag tttacaccca caagagggtt ggcaggtgga 900

ataagccccc ttacgttatg ttgcttatga aggtgatatc gctatg 946

<210> 78
<211> 895
<212> DNA
<213> Homo sapien

<400> 78
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taaaaaaaaa ccccggattt ttgggggggg gggggggaaaa aaaaaaaaag ggggaatgtt 180

tttaaaaaaa agaggggttt tctccactca gggtgattaa aatgaaggag tatatatgtt 240

gtgttgaggt ggtggtgggg ggtgaggtgc accccacatg tggtgctgct gggacaaact 300

attgttaaga agtggtaata ttagggcgtg ctacactact ttacttgttg cacctccgca 360

aagaagcagc ataagtattt cttttgtgta acacgaaaac aaactgtgtg gctccatcca 420

cacaccacac ataataattt tccctcccca gtagtgatta aaaataagtg gggggggtaa 480

ataggcaaca gtttttcaac gcaaaagctg ttgctccaaa aaaaagtttc tccacaaaaa 540

tagtcttctt tgagtggggc ataactaata tcgttggaac ctcctcctgt agagaagaag 600

atatatttat attacgcgca cagagtgtgt gaaatcgagc gcgtctttcg aagaagtatg 660

agtgaagttg tgactgcatc gcgggaagac aaatataatt ctaatgtgga cagaattatt 720

aatcctccgg gcgggcgcca ctattattat aaaaaaatat tcatgtcggc ccctgtaaaa 780

actacttgtg gggcataacc acaatggggc aaaataaggt ttttcccctg ttggtataaa 840

aattgggtta cctccgcgcc caaatttcca caatattgtc gacacacaac aacct 895

<210> 79
<211> 1049
<212> DNA
<213> Homo sapien

<400> 79
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ggctgaggca ggataatcgc ttgaacttgg gaggcagagg ttgcaatgag ccaagatcgc 180

gccactgcac tgcagacctg ggtgacagag caagactcca tctcaaacaa acaaacacaa 240

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aatatcccaa ggatctggcc gggtgtgtgg ctggcatcac agcctgttaa tctgacgccc 360

ttatggcggt gccaaggttg ggaaggatca cttgacgcct cagagagttt cagcgaccaa 420

gcgcgtggcg gccagcaaat agataaggac cctctcattt tctacgtgtt gtcatacaca 480

tctcactaaa aacaaacaac aacaaaacaa ccaacaaacc aacgcccatg tgtacgacgg 540

taacacgtag tgtggcgcat acccatcgtg ctttccccag gtatgacacg tgagtcacca 600

cgaggacaaa agtggccgac ccaacaaaat ggcgcagaag aagacgccga ggaggagaag 660

gaggcgccag acggcgacac acaaccgacg cggtagcacg acacgagaag acgacgaggg 720

caggagccgg aggagaggaa ggcgcatgac aggacgagcc atgagcgaga atggaccaca 780

ctaagcacaa gcaacggacg agtcgcccga gcggaggcaa caaagagaag cgacagacag 840

cgagggctag agcagagcga gacagagaca gccatagacg cagcaaaaca acgagcagaa 900

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ggccgagcgg agagtgtcac agcggagcag gcggaagaca gcaggccaag agaggaacag 1020

tagcggaggg actcctaatc gaccacgag 1049

<210> 80
<211> 840
<212> DNA
<213> Homo sapien

<400> 80
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agaccatcct ggctaacacg gtgaaacccc atctctacga aaaatacaaa aaaaaaaaaa 180

atttagccag gcttggctcg gtgggcacct tgttagttcc cagcttactt caggaggctt 240

gaggcaggag aattggcgtt gaaccttggg ttgatggagc ttgcagtgag ctgagatgtg 300

tggccacgtg cactccagcc cgtgggctaa cagagttgag actcgtgtcc caaaaaaaga 360

aaaaaaaaaa acaagattcg tgccaatgga gtgtgttttc tgaaatttta tcctgaagct 420

tgttgaaaaa tttttcaaac aaatgtgccg tgaggttttc ccaccagggg ttgtgacact 480

tattttaaaa ttccctgtgt cagccactgg tttgttgaag aaattcctac gtggctctac 540

cacattcttt cacccaaaca ttggcatcta caactaaagg tgccctttta aatttaaccc 600

attttgggtt gcgatcggtt ggtagtgggt gtccggccat tggggcgggt tatcccacct 660

tcggacatta accggaatgg cctaagggat tattaagcgt ccccttttcc ctttttgacg 720

acacacactc atacacacag cgaaaacggc ttggggcgac acccagggcg ccaaaacggt 780

agtctccggg tgtaaaatgg gtacccgggc caacaatccc caacattact cagcacacag 840

<210> 81
<211> 864
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (568)..(568)
<223> a, c, g or t

<400> 81
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gcgctttggg tataatagtt cattatcagg gggcagatat tattaggagg aacaaagggt 240

acaaatactg gagtttgggt ataaaacatc ataatattat ggggtcttgg tgggagatta 300

taaaccgcat tacacccctc tcgtgttaca caccggtgga ggcaattaaa ttgtgtggca 360

gctttccacc aacacactaa agtgggtgtg gctttctcag taacacacgt ggttggagga 420

acatccacat tctttttcgt gcaagaaggt ccctgcagtt tctacaaatt catgcacccc 480

caaaccatct cctccttatt tctctgtgct atacatttat ttataaagcc atatttatat 540

atttttctc atacgcccaa ctgcgggnct atagaataaa ctccataagt gggcataagc 600

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ggcggcgtgt gcgtaacact acggttaagt caccaaattc gttttatata gttacccccа 720

aaatgggttg gtggcgttta aaacttctgg gcaggttatt aagactgtgg tcgcttaaac 780

atctatcggg gctttctcta caaagggacc tttaatacgt tttattgtaa tccctggagg 840

gttgaaggga ccacataagg tatg 864

<210> 82
<211> 896
<212> DNA
<213> Homo sapien

<400> 82
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ggaaaccgca gataagtttt tattctcttt gaaagataga gattaataca actaccttaa 120

aaaactacta gtcactacgg ttacctacac gactacttgc ttacggcgtt aagtttttta 180

tagcgtagag ttgttacata cgccttaacg acttcttaac gagacgaact actgacggga 240

ccttacgaca cgacgctagc cctgacgcga acggacaaca cgactagcaa cggttctctt 300

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tggggcgggt gtgtgcgcgt ggtccttgtc tgtgtcgcgg cggtgcgtgg gcgggcgcgg 840

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<210> 83
<211> 954
<212> DNA
<213> Homo sapien

<400> 83
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ttttttttt ttttttttt ttttaaaaa aaaaaaaaa ctcctcttta tcaaaaaggg 180

ggggggggg gcccgcgggg ggggggggcg ggcccccggg ggggggggg ggggggaaaa 240

aaccacaaaa aagaggcgaa caacaagcgg gccgtagtca cacgacacca cccccaggcg 300

caccaccccc caccctggg agaaagagag ccctctccga gagaggaagt cgtcgacgca 360

ccctcaccaa acgcgccccc ccccccaaca ataatacaca aatacgcgag acaacaacca 420

cgcgccaccc acaccgcggg cgggcgccgc tcccctctct tccgtcttcc cttctcccgc 480

gccgtccaac atcacactcg tgctcctcat ctctgtactc ctctctgagt gcaaagacga 540

ccacccgacc ccccctacc ttcccccca acaccgaagc gtgcggcgtt caatccaccc 600

tgctcaacaa aacactatcc ttccgccctg cgagcgcaga attccttcct cgccgccgat 660

caacatcccc cacaaatata actcctacga cactctcatc cctcccсttc tctcctccct 720

cacctccatc ccactcctcc ccccatcccc cctccactcc actccatcct ctactccctc 780

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cttatcacaa ctcattctca ctcttcaatc tcaactaacc tcactcctac ctcctccacc 900

atactctcta caccccaccc ccacccacac caccacactc ccacctcaat acac 954

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<211> 918
<212> DNA
<213> Homo sapien

<400> 84
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cagtgtgatg gatgagcggc gcccgggcag gttttttttt tttttttttt tttttttttt 120

tttttttttt ttttttttgg aaaaaaaatt ttttaaaaac ccccaaaaat ttcccgggca 180

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acccctctcc ctagtggggg gataaaaaat aaccacacaa taatcacctc ctagcgatca 300

accggccgcg ggaagacacc aaagcagcgg gggggggggg ccaccccaca gctgaacccg 360

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aacacccccc caaccacagc ggtggacgag aaaacccccc cccagagacg ggggagcgat 480

ctcccctctt ctccctatag aacgcctcct ctctaacaca cgcgccgagg gccccgcggt 540

aagctcccaa agaaaaatct atctctgata gagagtgaac acccctcgat ctacttcaaa 600

gaaaagagtg aagaagagac cccgcgcgac ccgagagcaa cgcgagagtg aagcgcgaag 660

agacgaacaa gagaacgctc gccgtgcgtg agacacgtag agaaccgccg ggtggaggag 720

aagaggagag atatcatacc tccctctctg gtggggaggt atgtgggcgc gcgctccaga 780

ctgcttgctg gcgcgagacg tctcatgtga gcgacaaaaa gccagtgtgc acccctgcgt 840

gtgtgaaaga aatttgcgtg ttcctccccg cgcacacaaa attcctccca aaaattataa 900

ctgaacaaaa ccaaccgg 918

<210> 85
<211> 728
<212> DNA
<213> Homo sapien

<400> 85
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ggggcaaaaa ttccttttat ttattccatt ctcccccaaa attagcataa taaaacccaa 180

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agaaggctgt aaaactttgg tggtctcatc gaaatctggc ttcgagcacc accgtaaggg 480

gtgcggcaaa gaggtggaag tgtctcggcc ctggagtagt cctggcttct gtgacactct 540

cctgggagag gtacacccgg atgggggggg ggcgtaacac aacggctggg gtggacacca 600

tggggcgcat aagactgggc cccggtgtgg ggagaatggg ttaccccggc tcacaatccc 660

ccaaaaataa tggcgaaaca atcagacaaa actcccgctg agacagggaa cacaagacaa 720

cataataa 728

<210> 86
<211> 265
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (198)..(198)
<223> a, c, g or t

<400> 86
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tctgtggtgt gtggaatatt gtgtttatcc cggtctccac atattccaca cacacaatct 180

attacggaag cacaagcncg acagacaatc aacaccgatc acgtcgtata tctataacca 240

gagacgtagg cgacacacga ctcac 265

<210> 87
<211> 430
<212> DNA
<213> Homo sapien

<400> 87
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ggaatttata aaaaaaaaaa aaaaaaggtt tgaccccaaa aaaaaattaa aaagtggggg 180

gcataatctc gggggcaaag ggtgtaccgg tggggacagg tgttacccgc cacaaaattc 240

caaaaaacaa acgaagaaaa aacagacaga gcaaaagaag cagagcacac cactgcagcg 300

cgcacccagc aaagatagaa agcagacaag agacatatcc ggtgccggaa tcaccctggg 360

cagacgcggg gtcggcggcc atccacgcgc ctcaccacac cacggcaaca acgcgccggc 420

gggcgagggg 430

<210> 88
<211> 868
<212> DNA
<213> Homo sapien

<400> 88
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taaaaaaaaa aaaaaaaaaa aactcggaaa gaaaaaaaaa aaagaaaaaa aaaaaaaaaa 120

aaaaaaaaaa taaaaaaaaa agaaaaactg gcgcacgatg tcagggcaca tctacagagt 180

gccaggggaa cgtggtccac aagattcatc aatgggggag catccagtcc agatgacaga 240

ccacagttaa acaagcatca cggaaactct tatgacatac atcatggata aactagattc 300

cagtaggtat ggaaccaact gggtgaaacc acatgtccaa acatactagc aagtaggcac 360

agcaacaggc ctatgaatag tgatccgccc ataacagtgg gcaagcagcg actagaaaca 420

cactcctcaa gcaaagtcca agcagcaaga gaaagagcca tcgaatagga gacaccgggg 480

aagaaaagaa caccatagct aaacaaacat acagacaggg aaaagacaag cgttaaacga 540

tgtgagaaag gaaaagaata tagaagtata gtcagtcgaa tatatatata agctgcacga 600

aaaatttaga acataataaa caaacaagag agatgtcaca tatatggggc agccaaatat 660

atttcagaga tgttgccata aatgaagttc aacatacatt taattgcaga gatgttaccc 720

ataaaatggt gtaataaaaa gagataataa ggaatgaata ctttaaaaaa gatatatttg 780

ggctagaaga ggaagacaca aaaaaaaaaa cagaaaaagg gaaaatatag cgggaagagc 840

agaacagagt gaaaaaggaa aaaggtag 868

<210> 89
<211> 1682
<212> DNA
<213> Homo sapien

<400> 89
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aacatgatca gcaagttgct cggatggaaa aactagctgg tttggtagaa gagctggagg 180

ctgacgagtg gcggtttaag cccatcgagc agctgctggg attcaccccc tcttcaggtt 240

gatactgcct ggatggtcac ctctggtgcg cagcaagtgc aaagccagtg ggggactttc 300

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tcagagaacc aggaggtttg gggttaagag atactcaaaa attttcacaa gccaagtagg 540

gcatatatca gatttggcca actgaatggc gtctgtcctg tcatccatat ggtgcctgga 600

aatatttacc agtcaaggtc aaggtcagca tctgtggtta aaaatatagc attctgacct 660

aaaaaagtta ttttgcagat gaatgtgttt tcaactcagg acctatccaa atgaggaatt 720

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gaaagaaaaa aaaaaaagaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa aaaaagaaaa 960

actggcgcac gatgtcaggg cacatctaca gagtgccagg ggaacgtggt ccacaagatt 1020

catcaatggg ggagcatcca gtccagatga cagaccacag ttaaacaagc atcacggaaa 1080

ctcttatgac atacatcatg gataaactag attccagtag gtatggaacc aactgggtga 1140

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gcccataaca gtgggcaagc agcgactaga aacacactcc tcaagcaaag tccaagcagc 1260

aagagaaaga gccatcgaat aggagacacc ggggaagaaa agaacaccat agctaaacaa 1320

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tatagtcagt cgaatatata tataagctgc acgaaaaatt tagaacataa taaacaaaca 1440

agagagatgt cacatatatg gggcagccaa atatatttca gagatgttgc cataaatgaa 1500

gttcaacata catttaattg cagagatgtt acccataaaa tggtgtaata aaaagagata 1560

ataaggaatg aatactttaa aaaagatata tttgggctag aagaggaaga cacaaaaaaa 1620

aaaacagaaa aagggaaaat atagcgggaa gagcagaaca gagtgaaaaa ggaaaaaggt 1680

ag 1682

<210> 90
<211> 959
<212> DNA
<213> Homo sapien

<400> 90
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atatttgttt tgtttgttta tatatttctt attattaatc ttgttgttgc atatatttct 180

tttgtaatta atttcattat cattgtttgt ggcattttga tctattggta gcctatggag 240

ccatgagcca atgaggatat atagagaaca agagctgcat gatatataaa aagcctggca 300

agcagcaatc atcagacaca caacaggagg aaggtgtata ttcccgagga gggagtggtc 360

agtccccaag gacccagtca gctgccatca gatctctgga ttctgaaaac ataactggca 420

tcaacactgg ggtgtaagaa acatgctatg cactataatt gtatcagagg acatagctac 480

agcagatccc aacgagataa tcattccggg aaactatatc cttctagcaa caacggcaca 540

ataagggtat catttcatta catatttccg agtctctccc tcggcggcta gcgagacaac 600

atcataggca cgacaagctc ctatgactgt tactttgccc aggcatgcgc actatgatga 660

catgcgacaa aattcaccac gtctccatat cgcaatctct acaaatacaa tcacacaacg 720

agcccttaat gcaacagtcc catccccact ctttgataag cctcgggaac ataacagctt 780

acaccatgaa caacccctg cgctacgcag attcttcaca tcactcggtt gaaaacagca 840

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ggccctcctg cgatcaacct tctcaacggc tcatgtccca atttgtagcc cttgattcc 959

<210> 91
<211> 737
<212> DNA
<213> Homo sapien

<400> 91
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gtcctaagga accaggaaga cactggggat caagatacca gggaaaagtt agcttttaga 180

gaagatggca tttctttctc tgaggataga gggctaggca cgtagagaca cactttgagt 240

aatataagtc ctttgttgga aggaagcaat aaggattggt agagaaaatg tggagaattt 300

tctgagcaat gattttcact ttattgcaat aggcccttct atcgaaagaa tacaaaatgg 360

aatttacaaa actgatcaaa gcaaaatagc caaactgaag caggaggaaa gctagagact 420

cacacatgag ggtggccccc acattgctgg tctaacatcc aggcacataa accactagta 480

aaaggcacac aaagactgaa taaaggcttt ctagaaatgg gtagtgacag cagcatcctc 540

cattctattt cttcacttca gaaatagaag tcaaaaacac tgattttaag tgattcataa 600

ttgaaaaaca atgtcataca ttcaagaggc cttgagattt tagattaata ccataaagga 660

aaactggaag gggtgaacag ttagaaatat cacatcacat ctagaagtgc aatgagacta 720

gactgcatag gtgatgg 737

<210> 92
<211> 601
<212> DNA
<213> Homo sapien

<400> 92
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cgcagttgtg atggataagc tggggcaggc agatcatgtg aggttgggag tttgaggtca 120

gcctgaccaa catggtgaaa acctgtctct actaacaata caaaattagc tgggtgtggt 180

ggtgcctgcc tgtaatccca gctacatggg agtctgaggc agaagaatcg cttgaacccg 240

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gaaactctgt ttcaaaaaaa aataataatc aaaaaactta gccagacgtg ctggcgcaca 360

cctgtggtcc catctactca ggaggctgag gtgggaggat cacttgaaac tgggagttca 420

agtttgcagt gagctatgat caccccacta cactccagcc tgggcaagag tgacacccag 480

cctaaaaaaa acaacaaaaa aaaaaaaaaa aaaaacacct gggggatacc ctggggcaaa 540

gggtgttccg gggtgtgaca aatggtttcc ggtcaaaatt cccccaaaat cgcagaaaag 600

g 601

<210> 93
<211> 323
<212> DNA
<213> Homo sapien

<400> 93
tcgatataat agcgaattgg cattaatcat ctgacggcgc agtgtgatgg atcgccgggc 60

aggtgtgggc cacgcctgta gccccagcta cttgggaagc ttgagacagg agaatcgcag 120

gaatctagga ggcggaggtt gcagtgagcc gagatctcgc cactgcactc cagcctgggc 180

gagagagtaa gactctccgt ttctcccaaa aaaaaaaaaa aaaaaaaaaa aaactttggg 240

gtattattgg tcatgtgttc cctgggtgaa atggttttcc ggtcaaatcc aaattgataa 300

aaataaaaag aaaaagtgac gat 323

<210> 94
<211> 625
<212> DNA
<213> Homo sapien

<400> 94
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aatgtgatgg atgcgtgcgc ggcgaggtac ttctgtggta gtagggtctt gtcacatcat 120

gcactaaaaa cagaatgtga ctcaaccttt tctactgctg actgagttgt gatgaggctt 180

tttctttcta agaagtgttt aaattaccac atagtccagg aatcacggac agtaacacta 240

acactttcat ctgtgtgggc caggagttgg gcatgtagtt taatgacgta taatttttga 300

attccaagca tagtttgaaa aaatatgaaa atcttagcac ccagcacatg cctattaatg 360

aagaagttct cagcagctgg cagaaatgca tctgtgtaga gagacacagg cggaacaggt 420

ggcagggtgg ggcgtcatct ggaggcctgc gtctgggctg agtgaccttc gttcttaggc 480

tgcctggtgt gggaaacgtg aagatgtgcg catttctccg gccccatgct gggcacttgc 540

tgcaggccct taccttgtcc gtttctaaat atcgaacata agaagactgt ccacttctct 600

tttaatgtaa ggatgttggt aaacc 625

<210> 95
<211> 810
<212> DNA
<213> Homo sapien

<400> 95
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aatgtgatgg atgcgtgcgc ggcgaggtac ttctgtggta gtagggtctt gtcacatcat 120

gcactaaaaa cagaatgtga ctcaaccttt tctactgctg actgagttgt gatgaggctt 180

tttctttcta agaagtgttt aaattaccac atagtccagg aatcacggac agtaacacta 240

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attccaagca tagtttgaaa aaatatgaaa atcttagcac ccagcacatg cctattaatg 360

aagaagttct cagcagctgg cagaaatgca tctgtgtaga gagacacagg cggaacaggt 420

ggcagggtgg ggcgtcatct ggaggcctgc gtctgggctg agtgaccttc gttcttaggc 480

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tgcaggccct taccttgtc gtttctaaat atcgaacata agaagactgt ccacttctct 600

tttaatgtaa ggatgttggt aaaccaaagc tttatggctt tggaatggaa tttttctcat 660

ttcctaaaaa taaatggtag aagtaaagta tgctcatcat gagctggtcc caagcgagtg 720

tttggtttag ccagaaggta aatgggcaag cagcgtgagc tgacagcttg caaaagagga 780

aatgaaaaag gctgttgtac acgttcgcga 810

<210> 96
<211> 716
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (590)..(590)
<223> a, c, g or t

<400> 96
cgggactgat atatataggg gactgggtct tagatgcatg ctcgagcggc gcagtgtgat 60

ggatcgagcg gcgcccgggc aggtgtttga gcctaacctg atcaacataa caagaccctg 120

tctctattaa aattgaaaaa agaaaaagaa taaaagacca attttttttа attataaaag 180

ctaattctgc cagctactta tagtcataaa aggtgaatca actaattcaa catgttctct 240

ttagtagtca atttttaaaa agcaagtatt aatgggtagt ttaaacactt ctgaatacat 300

taccattgta aagaacaatg tttaaaattt acttttcaaa ctaatgcatg cagtttctcc 360

cctttgaaaa acctaacagt attatatgtg gtttagaaca atgtagataa ctttaagcca 420

agcaacaaat atttgggcat ttgcatggtc tatgaaataa aatgttgtag taactcttga 480

aaaattaaaa aggactggtt ttcttaataa aatataagca tttaatcaaa aaaaaacaaa 540

aaaaaacaaa aaacaggcgg gcgggtaact cagtgggcca tagggtggtn cccgtggggt 600

ggacaatttg gttattcccg gtccacattc accacactac ctcggcacgc gacacaactt 660

gaccagcaca gcacaagaga gcaaaacaag caccacagca cacaccagca aaaacg 716

<210> 97
<211> 341
<212> DNA
<213> Homo sapien

<400> 97
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ggcaggaatt aaaccaaaag ggccaaaccc catgtgttca tcatcgtgac tcttaagaac 120

tcctcttttt tctcattttt tcttcctctt ctgtggtgca gcaggggcgc aaaaccacgg 180

agcaggggcg tggcaaagcc tggggcgagc agacgacggg aacagcccca ccaggcgggt 240

accacgggca acgctagggg gacaccatgg gccatcagct ggaccctggg gtggaactcg 300

gtaatccggt acacaattcc cacacaacaa cgcgcaagca c 341

<210> 98
<211> 903
<212> DNA
<213> Homo sapien

<400> 98
tatcactata tggcaattgt gcctctaatc atctcgatgc tggctgcagt gtgattggat 60

atgctggcct gccctgggca tgtcccccc ccttttttt ttttttttt ttttttttt 120

ttttttttt ttttttttat aaaaaaaaaa aacccggaaa atgggggggg gagggagagt 180

gaaaaaaaaa aaaagtggtg gtgaaaagag tgtgtgtttc aaaaaacaag gttgtgttgt 240

tatgctcgcc ggagaagaag agagagatgt ttattattgt tgttaggagt ttgtggtggg 300

tgtggtagat gagaaccccc actgttgtgt cgtggttggt catacatatg tgtagagaga 360

gctaagaagt atgggtttgt acaaaacaat gatgtttaac cctcctaata ataactaaaa 420

acatatatat attatttcca cacacaacaa aaactcgctt tgtccataca acacacacac 480

aacaacagaa atcctccacc acaatcagtt atacaaagag tgtgttgtgt atattcatga 540

ctcgacacgt cttacaccac acttttcttt tcacaaaaac ttctcccaca tcaaagcact 600

ttacttatgt gtgtggcgtg agggctatac atcccttcta ggagaatctc tcgttgtaga 660

gacaaacgat gtccttctta tacccagccc cctcgacagg ccacctgcac gtcttcccaa 720

aacacatgac aattatcgtc ccctcctccc acacataaac ctccaagagc attgtcttct 780

ccccactcct cttggcccac acaatcatac caacacatct aactctcctc ccccccacaa 840

ccctcttctc gctccacaac catcatgtcc caaaccctcc ctcccccctt tttcaccact 900

tcc 903

<210> 99
<211> 928
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (778)..(778)
<223> a, c, g or t

<400> 99
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gcccgggcag gtaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagaaaaaa 120

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180

ggggggggtt tcgtgccatc ctccccgctc ttcctcttct ctattactac tttcccccgg 240

gatcgcgctg cgcgcggggg ggacactcta tattatatag aagagggaga cagacgatac 300

tctagcaaga gagcagagaa catcgctaag ataggttggc tccccggcga aactattgag 360

gtcgtcgcca ctatattgga gcccttcgcg tgtcgcttgg tgcacacaac accacaatga 420

gtgcagtgta tctattgagt gtggttacca taccgcaggc gcgcataaca cctacctact 480

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atcttgcgct aacacacatc cttgaggctg ccagcacgac gccgcttcct gttccactaa 660

ctagtgccaa cccgtccgat atatatgaac cgtggcgcgg tcgctcccgc ccactaaagt 720

gagtgtggtc gatgatcact attataaaat acacacacag cgggcgaggg ggggaganga 780

attgattaaa aaacaccctg cttcgtgtat ttaaccgcgc cgaggttgct agaacaaggg 840

agggacgaac tatctcattc catcccacct gacttgtgga ggaggaggag aacacctctc 900

cctcttacaa taaaaccgcg cgggcggc 928

<210> 100
<211> 852
<212> DNA
<213> Homo sapien

<400> 100
gccgcccggg caggtacagg acgcccccag actgcagccc ttgtcccagg gcactggtga 60

gcaacacgca gccatatggc aagtgcctgt gtccctgtcc ttcaggccca tcaattcctg 120

ggagcttttg ctttatcact ccttcagtct taagtccatc caccagagtc tagaaggcct 180

agactgggcc ccgccatctc gtgcatgaga catgttgact gtgcccgtgt ggagatggcc 240

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aggtctcaca ggaaccacag ttgcgcagtg cctgcaagct ttaagtgaca gtcggtgtcc 660

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ggcacgccgg aa 852

<210> 101
<211> 254
<212> DNA
<213> Homo sapien

<400> 101
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tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120

tttttttttt tttttttttt ttttgggggg ggggacaggg gagcaggggg ggcgcgcggg 180

gggagaatgt gttctccccc ccccacccca ccaaaaaaaa aaaaaaaaga attcgataaa 240

taaaaaaaaa aagt 254

<210> 102
<211> 447
<212> DNA
<213> Homo sapien

<400> 102
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cctgggcaac agagtgagac cctgtcccag cactctggga ggcagaggag cccagttgga 120

gatcagcctg ggtaatatag tgaaacttga tctctacaaa aaaaagaaga aaaaaaaaag 180

ccgcgtgtgg tggtgcgcac ctgtagtccc agctactggg aagctgaggt gggaggatca 240

cttaagccca ggaggcagag gtcacaatga gccgaaattg tgccaactgg actccagcct 300

ggggcaacag aggaaggaac tcttcaccag gaaaaaaaaa aaaacaaaaa aaaaaaaaaa 360

aggcgggggg ggaaacacag gggcccaaac gcggggaccc gggggggggaa atgggggaac 420

ccgggaccac aaattcccaa aacaaag 447

<210> 103
<211> 697
<212> DNA
<213> Homo sapien

<400> 103
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aaaaaagtaa cttggtttta taattatggg aaggtggggc cggattaagg gggtttagtt 120

gttgcctcag ggaattgggt gtggacgtgt gaaaattaat taaaaaaaag gctgtgaaag 180

aaaaggggtg tggttttgaa ggccaggcca aagggctttc ttctaggctc cgtttcgtgg 240

aaaggaacag cctatttaga aaggattatt ggacaacgcc acattactat aggcccccac 300

aatctcacat atttaaaaaa tttccgtaga aacaacttat agctctgaat ctactcaccg 360

tggtgggtgg tctccacgtt tctcttctaa atacagtgcc ggactcagag gaacccccg 420

aggggtctcc tttgcgtggt tcttttggtg taaaaggaca ggctatagtc ttcgtgtata 480

ttctcacata aagcctgtgg gggatacatc cagagggtca caaataaggt ggtatacacg 540

ccgggtggct aaacaagtgg gctcactcgc gccctcacaa atattcacca ccacaacaat 600

accccacgca cacaacaccc atcaaaaacc acaggggggc aggaaaagac gccaaccaca 660

gacgaaaaca aaaagagcag ggaaaaaaaa caaaact 697

<210> 104
<211> 807
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (380)..(380)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (618)..(618)
<223> a, c, g or t

<400> 104
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gtgtggtgag ggccaaagtg ctatggtttc ctgcctccag tgatagatgg agataaagtg 120

cttctcatgg ccccgtccaa tgcctgggtg aaggactgtg gcactccaaa gcgtgagcca 180

gaggggtaat ctgcctgatg tctcgtccca ttcaatctcc tgctggaccg ttgggaggca 240

ttctagagct ctatgctgtg gcacgtggac atccctcatg agcaagactc ctcgtagacc 300

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tccatttcta gagttgcgtn tgtgtggcac accatttctg tccncatttc agctgttcag 420

ctacatctta gctcgagttc tatctaaacg ctcgcttttg cctttgggtg gactcgatat 480

agtttgggtt tattgggcgt tgtgcaaact cactatgctg cagcttgata tctttaccag 540

ttggcgcaag aaacgaacac cttggcagga ctttcttttt cccatttcat tcatgacttg 600

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cttccaagtg gagcttcccg ttgtggaagg ccacattgtc gtgggggcac ccttgggttg 720

cctgtgtggg ccccacgttg gcttctttgt tgccttgaac cgtgtgcctt cccggtcctt 780

cggggaggaa tttctttggt cccttgg 807

<210> 105
<211> 975
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (548)..(548)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (572)..(572)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (786)..(786)
<223> a, c, g or t

<400> 105
cagggagatg tccctggggc agacactaag gcaggtgttg aagacaagct gcttgtcaag 60

aagcatttcc cggcaagaga ggggcaagtc tggggctcca actgggtaca gcctgggtgc 120

agttataagc ccctttggct tacttggtag aagatggcta cttggatgta cctcacttaa 180

agatgttttg taccacacta ggtctctggg cccttgtgct tcctgtgggt ggggtgaggg 240

ccaaagtgct atggtttcct gcctccagtg atagatggag ataaagtgct tctcatggcc 300

ccgtccaatg cctgggtgaa ggactgtggc actccaaagc gtgagccaga ggggtaatct 360

gcctgatgtc tcgtcccatt caatctcctg ctggaccgtt gggaggcatt ctagagctct 420

atgctgtggc acgtggacat ccctcatgag caagactcct cgtagaccat aagtgacgat 480

tgtagcattc cttgataagc gcgtctatgc attgactcca attctatctc catttctaga 540

gttgcgtntg tgtggcacac catttctgtc cncatttcag ctgttcagct acatcttagc 600

tcgagttcta tctaaacgct cgcttttgcc tttgggtgga ctcgatatag tttgggttta 660

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tctttggtcc cttgg 975

<210> 106
<211> 735
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (627)..(627)
<223> a, c, g or t

<400> 106
gcggccgccc gggcaggtgc tttttttttt tttttttttt ttttttgggg gggtaacttt 60

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atctccgtga ggaatgtgtg ctcatatata taaaaatgtg tttaaaaggg attgtgtaac 180

catttattct tctccatata tgtgtatgtg cgcaacaatg tgcacaaaac gccatagtgt 240

gtgctccact cgtgttataa gttctaacag cacgccacct ataagacagg gagaaatact 300

tctctctcca caaaggtttt cacattttca caaaatataa ggtgtgacag ggcgcgccac 360

agtgtgtgtg tgcggtgctc tttgtgagag aggtcgtgcg caccagtgtg tgtggagaaa 420

gagactctcc acagactata aaacatgtag acaccactct ctgtgtgtac ccccacactc 480

tctctctcag agagaacctt ctctttctca caaagcgtct gtgagcggcg cgcccccaca 540

cacaaagaga gagagagcag agaagacgct ctatttattt ctctgagcca acacacggcg 600

tgcggagatt tgtgcgtctc ctcgtgngct ctctcgaggg ggctcctctg tgtggactct 660

ctgagcttat aaaatgttgt gcgtcccacc atctcggttt tcttctctca tttgaggaaa 720

gagcttgggg gggaa 735

<210> 107
<211> 751
<212> DNA

<213> Homo sapien

<400> 107

gcgtggtcgc ggccgaggat acccgtgccc agtgaggacg ccgagctcca gccccgagcc 60

ctggacatct actcgtgcca gtggatgatg ccttcccacg agcaaggagc tgatcgaagg 120

tcgctgtaaa ggaatgtctt gaagaaaggc tcaagagtaa acgtgattcc tccattctat 180

gaggaatgaa gtatggtcca agatccccat ggtgatgact gccgtgttgc agcagttgtg 240

tccgatgctg tagtgaaaag gggtcggagg atcgggtaag gctgtgtgac tgtctcctcg 300

agtgagcctc catgctaatt cccttccctc gcttgaaata gtgcttgtta gtggaaggtg 360

gtgctggttc gaatatctcg ctcacatact gtcgcaccac catcctcgtc ttacggttgc 420

ccacaatgaa ggtaccaaca atcttttcac ttcacacatg agaagttatg gcattaagca 480

aacaagatca aagtgtttgt attttccgtc tgaacgggga gaacggggcg tccgttttgt 540

cccctgggcg tggtttcccc agaacacata aacacagaaa accaacaatt taggaattgg 600

tcccaaaaca acaaacaaga gcaaacagag aagagaaaac aaaagaggcg cgggcgggta 660

acaccccgtg ggcccaacga gggtgttccc gcgggggtgg aacaggtggc tcccgcgccc 720

acaattcccc accaacacgg ggccacaacg g 751

<210> 108
<211> 640
<212> DNA
<213> Homo sapien

<400> 108

cgccagttat gatggccgcc cgggcaggtc gggcaggtaa aaaaaaaaaa aaaaaaaaaa 60

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aaaaaaaaaa aaaaaaaaaa gggggggggg gttttttttt ctcccccgcg tgagtggcgc 180

ccccccctctt ctttttttctt cttctggttg ttttgttctc ttttatttat tatgataata 240

ttatgtctta ttaatcataa tattatgtgt tggtgggtgt cttcttcgtc tgattatcta 300

tcaatatctg tttgtgtggt acagatttct agccgcggtg tgtctccctg cgcgcgtgat 360

aaaacaacag ccctctctct cctctcccgt tcttctcttt cttatttgtg ctaatccagc 420

aaacgaagag aaagatgcaa cacactttgt tggctcagtc tcctgactcg aaccatcgca 480

cccagcgaaa caaaaacaga agaacagaga cggtcgggcg gggacagtaa tgctagtggg 540

caacaatgta cccccccgcc ggtgagacaa gaaactatcg tcttctacgg ccgcatgaac 600

ttctaccaca actaaacaaa tgacgcaaca aaaaaagggc 640

<210> 109
<211> 533
<212> DNA
<213> Homo sapien

<400> 109
gagcggcgcc gtgtgatgga tggtacagaa ggaaaacaac tttttatgta tacttctaaa 60

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atttccactt cacagatttt gaggtttctg atttccaggt tctgagtttt cccaattgtt 180

taattgttaa ccagaacttg gcacacacac atttaagaat gaattgttaa tttatttatt 240

tcctctttgc tggtcattac cgtcgctttc tattttcttc ttttcttttg tgttgaattt 300

tattttataa gaacaaaaaa ctttttttgct aacgacttat tttgcagttt taaaaattca 360

attaaccccc gttttttttca ggaaacaaaa aaagaaaaaa aaaaaaaaaa aaaaaaaaaa 420

aaccctgtgg tatatatctg tggccaaata gccttttctc cgtgggtgtg ttaaattgtt 480

taactccgca catcaaaatt cccacaaaac tatatgtgac acacaaaggg agt 533

<210> 110
<211> 262
<212> DNA
<213> Homo sapien

<400> 110
tgttaacaat aaggcacgcg ttttgctttg gtcgcttatt atcccactac gagactacta 60

cagagccaag tacctgagcc actgcgcgca ggggactcgg gaatgtctcc atggctcaac 120

gaacgcagta ttgccaaata tctcatggac aaagtgacaa cagcactaca agcaaacaat 180

cacataagcc catacatcga tcaacaaaga tactacaact acgccagcgt agggatacaa 240

cccagactga ctcacatcac aa 262

<210> 111
<211> 1494
<212> DNA
<213> Homo sapien

<400> 111
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tgaccttagt ggtagtgctc agagtgatct cctgtccatc agcacaggac agtcagaatc 120

tcatcctttc atgcggccaa catccccaga ccctttatgt tgacgccagg acctcatctc 180

acctctccat cctcacctta caccgcccct gcctgaccag acaaccaccg gagcaccagt 240

ttggattcta ccgaaaccac ctactcgtca cttctgctac ccaccactat cttgactgac 300

tgcacacacc cggcattcac ctacttatac ttatactatt atgactatga atactcgttc 360

ttaccttacc acctttggat cactacactc ttactcctcc ccacaactgt ggtgtgacac 420

actgacactg gtacgccacg gttcgtccct cggtcacaac acacgcaccg accctaccgc 480

ttatccttca ccctactgcc cttacctcgc cgaacacttc acacttctgc acaaactatc 540

ctcgatgacc cctggacgcc tggacatggc gatgccctac gttctcgcac cacaccttgc 600

aacaccgact ccccccctcac tcacaccact acgaaacaac accacccctt cgcaccacca 660

caccataact taccttacaa ccgcccccta ccacagaacc ctactaactt ccccaacaca 720

cccctacggc gatgaccacc tttacctata cctaacctta acaaccccct tcgaacctcg 780

acccacacac cgttacccat taccaccatt aaacccactc cggattacaa cccaacacac 840

atccgacggc actacgccct tcaggaacac ccaccctaaa ctacacccac tctattatac 900

aacccaacac cactactact atgcacacca caaccaaccc caaacatcca ctaccaccat 960

aaaacactca gcaggacaac actctgagca acaacagtga ctggacacga cccgcagaac 1020

acacacacac ccacacgcgt aggagagaaa caacaaaaca cgccaccccc ctgtcaagcc 1080

accacgaaac caccggaacg atggccgcac accaacaccc gacagaagcg agtcataaac 1140

ccctaatccc gctcccaaca ccccaccgaa ctaccaaccg acctgcgcag aacgctcaac 1200

ggcaagtaac atcacagagc tgactgctcg ttcctccctg atgcggtgac gatcgagccg 1260

tagcctacgc gtcctccagt cgcgcacgag gggcgcaggg ctcggctgcg gcagtcgtgg 1320

caatgaatcg gccagacgag ctcggagccg cgcgacggac cagggacggg gtgagcgtgt 1380

cggcacgcag ctgtcgacat catcatacac tcctcttctt ccgcgttccg tggcggcggc 1440

gaggaccgcg ctgcagactg gtactctgag ccaggctagc cgacctcacc ccgg 1494

<210> 112
<211> 811
<212> DNA
<213> Homo sapien

<400> 112
aggagtggaa tcatattggg cgacctgggc ttatagatgc atgctcgagc ggcgcagtgt 60

gatggatcgg ccgccgggca ggtcctcccc ttttttttct ttttttttct ttttttttct 120

ttaagagggt caaatttgga tccctttttt gtaaaaaaaa ttttttttct ttttttttct 180

tttttttgt ggaaaccccc tttagaaacc agtgctgcgg ccctcccagt cacgacatgt 240

ctgttgtcgc gccactcttg tgttatacaa agggatggtg ccccagcagg gtggaagagg 300

gagtggccac cacgtgccgg acgagggtga cacccacgcg gcgttacaca ttctttggaa 360

acacccacgc gtgggtctcc cgggctatat aaaactcctc ccccccccta tagagtgtgg 420

cgacatctgc gatatctccc cgcgcggggg cgggtgtcgt cccaccagtg tggtgtccct 480

cgagggcccc cacaggacct cctcaggtgt gcgtcctccc ctttattaga gggtggggca 540

caacacccac ccccccctcg agtcgtgcgc ggggacaacc ctctgtagcg gacccacgaa 600

ccaccagaaa agtcctatct ctcacgcgcg cgcgaggaac cctccgcgag ggccgcggac 660

aactgcaagg gatatttccg cgcgcccaca caccgtgggg gggcaccaac cgcggggccc 720

aaacagcgat gttaccgcgg ggtggcgaaa attgtgtttt ccccgccctc aaaatctccc 780

ccaccacaaa ctacccacca ccccaccacg g 811

<210> 113
<211> 1506
<212> DNA
<213> Homo sapien

<400> 113
tggtctgctg gcctgaggtc cccccccttt ttttttttt ttttttttt ttttttttt 60

ttttttttt gagggtgggc cgggggggc aagagagagt gtgtgtgcct atatactagg 120

tgtggtggga gagagtgttg gagagtgggg gtgtataaaa atgtgtttat tttgtggtgt 180

gtgtgtgtgc tcactaatag agaggtggag gtggtgtgag aatataaacc aactggaaag 240

tgtgtgaatg aatataaaca gcctatatat tctcgccgcg aacagcgcgg tgtgtgtata 300

tatgagagaa gtggtgttag agagagtggt gtgtggcggg tgtgggtgca cactgctgcg 360

ctgcggcggt ggtgttctct ctctctcacg agctgtgtga tgatgaacac acaaagagta 420

ggtattatat attctctcct aacgcgccct ctcctctcgc gcgcgcgcat aaaaacagag 480

gtgggacaat agagagtgtg tgctatagcg cgcgtgcaaa cacacaaaat atatacagag 540

agatgtgtgt acaaccatat gacacaaaca cacagatgaa caacaaacat atttttgcaa 600

acaaaaaaca gctgtgtaat ataagagtgt gtgtgtgtgt gttcccctgc gagagtattt 660

acatatatat ctctcccacg cgcgagggac aacacacatc ttttaccata gagagatgag 720

tgcccccca gggttataca acacacacaa acgcgtgctc tccgcggagg gagacaaaac 780

aacatatcta ctgtgtggag agaaaaaaat ataacttctc tacacctttt tgagcagaaa 840

cacctgtgtg cgggctatac acatcacgac gggggggcgac aaaaaaaatg gtgtacaccc 900

ccctggggtg tgtcgaaaaa acatgctgtg ctcacacacc gccgcggtct ccaaaaaaat 960

tctccccaca acaccaacac cttccagatc aaagaccacc acacaacaat gagtcgcata 1020

ctcacagcac ttcacgtaca tcctcagctg acgccattca tccaccaaat caatactgcc 1080

tcgaacttat actcctacat tctccttagc acctcactgc cacgaacacc actctccctg 1140

aacacagaca ttcagtcatc acctatcaca aaccaaatca catcccaccc gctcaccatc 1200

tccactactc tacataaaca caaacctcac tccccaacaa ccaccacaca cacctactac 1260

atccaaccac acaacactcc cacgcacctc aacttcacca ctctctcact acaaaccttc 1320

tcacacatca cgccacacat atacccaccc tctcactcaa ccaaccacaa aaacaaacaa 1380

actacaccac actccaccat ccccaaccaa actcccacaa ccaaccaaaa tcacaacaca 1440

caccccactc acaccaacac acacaccacc acacccccca ctttacccaa tacactctaa 1500

aaacac 1506

<210> 114
<211> 779
<212> DNA
<213> Homo sapien

<400> 114
aaaaaacaaa aaaaaacaaa aagaaagagg aatgaataat cactataggg gcctcggtgt 60

atctagatgc atgctcgagc ggcgcattgt gatggatcgt ggtcgcggcg aggtgcttat 120

ttttttttt ttttttttgg tccatgttta aaaaaagtgg aactatggtc ttaattatca 180

atgggccagg gggggcctga ataaggggt tagtcgtgct caaggggatg ggtgtgggcg 240

ctggtggaag atagatcgac aaaaatgtgc ttgaaatgag aaatgggtgt gttggtgtta 300

agaaggtgcc atgtgcccaa tgggtgctcc tcatgtgtcc tgcatctctg ggagaatgag 360

cgacacgcct ttgagagaaa gagatgtcat tggcaacgcc atggtatcag gcgcccacca 420

aatcaatata ttacaacaaa tatctctgga aaacatctca cgtctggacc atccactggt 480

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gggtcctttg gtaagaagcg cagctaagtc ctgtgttatc ccatagaatg tctgggctgt 600

aaatctatgg gcacattaac gctggtatcc ctggtgtgga gacaattggt cacatcgcgc 660

tcccaacata ttccccaaac aaaactatac agagaaccaa gagacaaaaa taattggaaa 720

gggcacacaa gacaacaacg gaacccaaaa aaaagcaaga aaaaacaaca gggacaaca 779

<210> 115
<211> 195
<212> DNA
<213> Homo sapien

<400> 115
tgctctgtgt ctgttctgtg ctgctgtgct gatgctgtgt atcatgctcc actcaaatgt 60

gctgtgtcaa tactgtgtct atccacatga catcatgggt gattaactgc atgtgaaatg 120

aacattgttg agcaaaatgt gccatgcaaa atgtgccagt gaacctgtaa aaatgtgcct 180

gctgtttgct tggct 195

<210> 116
<211> 62
<212> PRT
<213> Homo sapien

<400> 116

Met Pro Ser Gln Asn Ala Val Phe Ser Gln Glu Gly Asn Met Glu Glu
1 5 10 15

Glu Glu Met Asn Asp Gly Ser Gln Met Val Arg Ser Gln Glu Ser Leu
20 25 30

Thr Phe Gln Asp Arg Gly Arg Gly Leu His Gln Arg Gly Val Gly Pro
35 40 45

Ala Val Pro Ala Arg Ala Ala Asp Pro Ser Tyr Cys Arg Pro
50 55 60

<210> 117
<211> 414
<212> PRT
<213> Homo sapien

<400> 117

Gln Glu Ser Leu Thr Phe Gln Asp Val Ala Val Asp Phe Thr Arg Glu
1 5 10 15

Glu Trp Asp Gln Leu Tyr Pro Ala Gln Lys Asn Leu Tyr Arg Asp Val
20 25 30

Met Leu Glu Asn Tyr Arg Asn Leu Val Ala Leu Gly Tyr Gln Leu Cys
35 40 45

Lys Pro Glu Val Ile Ala Gln Leu Glu Leu Glu Glu Glu Trp Val Ile
50 55 60

Glu Arg Asp Ser Leu Leu Asp Thr His Pro Asp Gly Glu Asn Arg Pro
65 70 75 80

Glu Ile Lys Lys Ser Thr Thr Ser Gln Asn Ile Ser Asp Glu Asn Gln
85 90 95

Thr His Glu Met Ile Met Glu Arg Leu Ala Gly Asp Ser Phe Trp Tyr
100 105 110

Ser Ile Leu Gly Gly Leu Trp Asp Phe Asp Tyr His Pro Glu Phe Asn
115 120 125

Gln Glu Asn His Lys Arg Tyr Leu Gly Gln Val Thr Leu Thr His Lys
130 135 140

Lys Ile Thr Gln Glu Arg Ser Leu Glu Cys Asn Lys Phe Ala Glu Asn
145 150 155 160

Cys Asn Leu Asn Ser Asn Leu Met Gln Gln Arg Ile Pro Ser Ile Lys
165 170 175

Ile Pro Leu Asn Ser Asp Thr Gln Gly Asn Ser Ile Lys His Asn Ser
180 185 190

```
Asp Leu Ile Tyr Tyr Gln Gly Asn Tyr Val Arg Glu Thr Pro Tyr Glu
        195                 200                 205

Tyr Ser Glu Cys Gly Lys Ile Phe Asn Gln His Ile Leu Leu Thr Asp
    210                 215                 220

His Ile His Thr Ala Glu Lys Pro Ser Glu Cys Gly Lys Ala Phe Ser
225                 230                 235                 240

His Thr Ser Ser Leu Ser Gln Pro Gln Met Leu Leu Thr Gly Glu Lys
                245                 250                 255

Pro Tyr Lys Cys Asp Glu Cys Gly Lys Arg Phe Ser Gln Arg Ile His
            260                 265                 270

Leu Ile Gln His Gln Arg Ile His Thr Gly Glu Lys Pro Phe Ile Cys
        275                 280                 285

Asn Gly Cys Gly Lys Ala Phe Arg Gln His Ser Ser Phe Thr Gln His
    290                 295                 300

Leu Arg Ile His Thr Gly Glu Lys Pro Tyr Lys Cys Asn Gln Cys Gly
305                 310                 315                 320

Lys Ala Phe Ser Arg Ile Thr Ser Leu Thr Glu His His Arg Leu His
                325                 330                 335

Thr Gly Glu Lys Pro Tyr Glu Cys Gly Phe Cys Gly Lys Ala Phe Ser
            340                 345                 350

Gln Arg Thr His Leu Asn Gln His Glu Arg Thr His Thr Gly Glu Lys
        355                 360                 365

Pro Tyr Lys Cys Asn Glu Cys Gly Lys Ala Phe Ser Gln Ser Ala His
    370                 375                 380

Leu Asn Gln His Arg Lys Ile His Thr Arg Glu Lys Leu Cys Glu Tyr
385                 390                 395                 400

Lys Cys Glu Gln Thr Val Arg His Ser Pro Ser Phe Ser Ser
                405                 410
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<210> 118
<211> 160
<212> PRT
<213> Homo sapien

<400> 118

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Met Gln Leu Val Leu Leu Val Pro Val Cys Pro Thr Ile Gly Val Phe
1               5                  10                  15

Phe Arg Arg Leu Gly Pro His Phe Asp Val Gly Arg Phe Leu Cys Leu
            20                  25                  30

Trp Gln Phe Val Val Pro Gln Ser Leu Pro Cys Arg Trp Arg Gly Ala
        35                  40                  45

Arg Gly Phe Arg Thr Leu Gly Val Leu Phe Leu Val Val Pro His His
    50                  55                  60

Gly Ala Ser Ser Gly Cys Arg Leu Arg Arg Cys Arg Phe Phe Cys Ser
65                  70                  75                  80

Cys Gly Ser Ala Ser Val Asp Leu Phe Ala Leu Gly Trp Ile Cys Leu
                85                  90                  95

Ser Leu Arg Arg Pro Ser Val Arg Cys Arg Trp Ile Pro Leu Val Thr
            100                 105                 110

Ala Arg Val Ala Cys Ala Ala Cys His Ala Gly Thr Pro Pro Leu Cys
        115                 120                 125

Ala Phe Leu Gly Arg Cys Ser Ile Thr Ala Cys Cys Thr Ser Phe Cys
    130                 135                 140

Phe Ser Leu Phe Thr Ala Phe Val Cys Pro Val Ala Cys Met His Arg
145                 150                 155                 160
```

<210> 119
<211> 121
<212> PRT
<213> Homo sapien

<400> 119

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Met Arg Glu Lys His Asn Arg Arg Arg Gln Gln Pro Asp Glu Asp Thr
1               5                  10                  15

Gln Arg Glu Ser Lys Lys Pro Gln Gln Ser Ser Thr Lys Thr Thr Gln
            20                  25                  30

Thr His Lys Val Ile Pro Tyr His His Asp His Ser Pro Thr Thr Gln
        35                  40                  45

His Arg Lys Asp Lys Asn Val Lys Ala Arg Asp Gln Pro His Pro Asn
    50                  55                  60
```

Ile Ala Glu Asn Asp Glu Thr Pro Gln Lys Val Asn Asn Met Met Lys
65 70 75 80

Asp Lys His Asn Lys Ala Lys Pro Asn Thr Lys Gln Ala Lys Lys Gly
85 90 95

Lys Lys Asn Arg His Asp Ser Asp Ser Arg Ser Thr Lys Arg Ile Arg
100 105 110

Arg Lys Gln Ile Lys Thr Thr Asp Arg
115 120

<210> 120
<211> 15
<212> PRT
<213> Homo sapien

<400> 120

Met Trp Ala Thr Val Val Leu Leu Arg Gln Lys Lys Lys Arg Thr
1 5 10 15

<210> 121
<211> 97
<212> PRT
<213> Homo sapien

<400> 121

Met Lys Lys Glu Ile Phe Pro Leu Phe Ser Asn Arg Pro Ser Ser Pro
1 5 10 15

Thr His Glu Ser Tyr Pro His Leu Leu Leu Leu Pro Val Arg Lys Tyr
20 25 30

Gly Ser Cys His Thr His Pro Asp Ala Ser Val Leu Pro Pro His Cys
35 40 45

Leu Ser Asn Val Ser Leu Ser Leu Gln Cys Phe Asp Arg Lys Gly Gln
50 55 60

Arg Thr Leu Gly Ser Gly Thr Arg Val Phe Thr Leu Gln Ala Leu Met
65 70 75 80

Glu Phe Glu Gln Asn Pro Ala Ser Phe Ile Thr Val Arg Ser Gly Trp
85 90 95

His

<210> 122

<211> 19
<212> PRT
<213> Homo sapien

<400> 122

Met Glu Thr His Leu Glu Ala Phe Pro Trp Gln Ser Val Thr Arg Ile
1 5 10 15

Pro Asn Leu

<210> 123
<211> 59
<212> PRT
<213> Homo sapien

<400> 123

Met Ser Val Thr Phe Thr Cys Gly His Leu Tyr Lys Gln Cys Ser Phe
1 5 10 15

Asn Ser Asn Gly Ala Leu Thr Tyr Gly Gly Gly Lys Lys Thr Thr Arg
20 25 30

Ser Asn Trp Ser Cys Gly Asn Asn Asn Ser Pro Leu Leu Leu Asn His
35 40 45

Pro Tyr Ala Ala Gly His Val Leu Arg Ala Pro
50 55

<210> 124
<211> 41
<212> PRT
<213> Homo sapien

<400> 124

Met Ala Ala Ala Met Ser Pro Ile Pro Leu Ala Phe Ser Asp Leu Ala
1 5 10 15

Thr Ser Ser Ser Arg Gly Arg Val Ser Tyr His Pro Ala Leu His Leu
20 25 30

Gly Ser Pro Cys Asp Tyr Phe Asp Gln
35 40

<210> 125
<211> 84
<212> PRT
<213> Homo sapien

<400> 125

Met Gly Gln Arg Leu Leu Val Leu Phe Arg Cys Pro Gly Ala Arg Thr
1 5 10 15

Val Cys Thr Ser Ser Thr Glu Ser Gln Phe Gln Pro Asp Leu Leu Lys
20 25 30

Cys Val Thr Lys Gly Val Ala Glu Phe Glu His Ile Ala Tyr Leu Lys
35 40 45

Leu Gln Ile Ala Thr Met Trp Val Ser Lys Leu Asp Tyr Phe Cys Leu
50 55 60

Tyr Gly Thr Ala Leu Thr His Ser Pro Ser Trp Ser Ser Gln Leu Gly
65 70 75 80

His Ser Cys Leu

<210> 126
<211> 28
<212> PRT
<213> Homo sapien

<400> 126

Met Leu Phe Phe Lys Lys Leu Thr Leu Phe Asn Asn Tyr Asn Asp Thr
1 5 10 15

Glu Arg Cys Pro Ser His Thr Glu Ser Ser Arg Phe
20 25

<210> 127
<211> 23
<212> PRT
<213> Homo sapien

<400> 127

Met Trp Gly Tyr Leu Pro Ala Leu His Gln Phe Ser His His Asn Leu
1 5 10 15

Ser Pro Gly Asn Lys Gln Arg
20

<210> 128
<211> 38
<212> PRT
<213> Homo sapien

<400> 128

Met Gln Ile Met Ile Leu Val Thr Ile Leu Leu Thr Leu Lys Thr Glu
1 5 10 15

Leu Ser Asp Thr Pro Phe Arg His Gln Thr Gly Tyr Glu Val Ala His
20 25 30

Thr Trp Asn Arg Pro Lys
35

<210> 129
<211> 55
<212> PRT
<213> Homo sapien

<400> 129

Met Ser Gln Gly Gly Tyr Cys Pro Ser Cys Phe Gln Ser Leu Ser Lys
1 5 10 15

Arg Leu Gly Ala Arg Lys Arg Val Phe Val Leu Leu Asn Val Ser Asn
20 25 30

Glu Cys Thr Val Glu Ala His Gly Glu Ser Leu Arg Trp Arg Glu Lys
35 40 45

Ser Gln Lys Gly Arg Leu Leu
50 55

<210> 130
<211> 171
<212> PRT
<213> Homo sapien

<400> 130

Met Ala Lys Phe Val Ile Arg Pro Ala Thr Ala Ala Asp Cys Ser Asp
1 5 10 15

Ile Leu Arg Leu Ile Lys Glu Leu Ala Lys Tyr Glu Tyr Met Glu Glu
20 25 30

Gln Val Ile Leu Thr Glu Lys Asp Leu Leu Glu Asp Gly Phe Gly Glu
35 40 45

His Pro Phe Tyr His Cys Leu Val Ala Glu Val Pro Lys Glu His Trp
50 55 60

Thr Pro Glu Gly His Ser Ile Val Gly Phe Ala Met Tyr Tyr Phe Thr
65 70 75 80

Tyr Asp Pro Trp Ile Gly Lys Leu Leu Tyr Leu Glu Asp Phe Phe Val
85 90 95

Met Ser Asp Tyr Arg Gly Phe Gly Ile Gly Ser Glu Ile Leu Lys Asn
100 105 110

Leu Ser Gln Val Ala Met Arg Cys Arg Cys Ser Ser Met His Phe Leu
115 120 125

Val Ala Glu Trp Asn Glu Pro Ser Ile Asn Phe Tyr Lys Arg Arg Gly
130 135 140

Ala Ser Asp Leu Ser Ser Glu Glu Gly Trp Arg Leu Phe Lys Ile Asp
145 150 155 160

Lys Glu Tyr Leu Leu Lys Met Ala Thr Glu Glu
165 170

<210> 131
<211> 15
<212> PRT
<213> Homo sapien

<400> 131

Met Leu Ser Arg Ser Val Ala Arg Leu Glu Cys Ser Gly Thr Ile
1 5 10 15

<210> 132
<211> 51
<212> PRT
<213> Homo sapien

<400> 132

Met Leu Phe Leu Gln Met Pro Cys Leu Phe Arg Val Cys Ser Gln Met
1 5 10 15

Leu Pro Glu Gly Glu Thr Phe Phe Leu Cys Gln Ser Arg Phe Leu Gln
20 25 30

Ser Ser Ile Thr Pro Gln Lys Val Arg Ser Lys Arg Arg Leu Thr Phe
35 40 45

Ser Asp Lys
50

<210> 133
<211> 60
<212> PRT
<213> Homo sapien

<400> 133

Met Cys Val Cys Pro Val Pro Val Tyr Gln Leu Thr Asn Trp Glu Thr

1 5 10 15

Pro Arg Pro Trp Asp Pro Arg Thr Ser Asn Ser Val Ser Gly Met Phe
20 25 30

Leu Arg Trp Ala Arg Gly Ser Pro Arg Val Phe Phe Phe Phe Phe Phe
35 40 45

Phe Leu Leu Glu Ala Ile His Lys Lys Leu Phe Ser
50 55 60

<210> 134
<211> 32
<212> PRT
<213> Homo sapien

<400> 134

Met Phe Pro Gly Asp Phe Ser Ala Phe Lys Leu Leu Glu Thr Ala Glu
1 5 10 15

Ile Phe Val Lys Ser Lys Leu Phe Trp Lys Asn Glu Leu Ala Cys Ser
20 25 30

<210> 135
<211> 136
<212> PRT
<213> Homo sapien

<400> 135

Met Phe Pro Arg Ile Leu Phe Ser Tyr Tyr Pro Ala Leu Tyr Phe Phe
1 5 10 15

Val Asn Thr Pro Pro Thr Arg Ile Phe Phe Thr Ser Asp Asn Arg Gly
20 25 30

Gly Pro Leu Gln Ile Leu Phe Thr Lys Trp Gly Thr Asn Gly Glu Asn
35 40 45

Lys His Arg Trp Val Trp Val Glu Leu Asn Arg Ser Thr Thr Ser Gly
50 55 60

Gly Leu Ser Ser Glu Lys Arg His Thr Thr Ser Gly Glu Gly Ala Ser
65 70 75 80

Pro Pro His Pro Glu Asn Ser Pro Arg Ala Phe Arg Pro Arg Arg His
85 90 95

Leu Val Val Ala Leu Arg Arg Ala Pro Pro Pro Phe Phe Phe Phe Phe
100 105 110

Phe Phe Phe Phe Val Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Ile
115 120 125

Glu Lys Asn Leu Ser Gln Ile Gln
130 135

<210> 136
<211> 33
<212> PRT
<213> Homo sapien

<400> 136

Met Tyr Trp Thr Thr Lys Leu Ile Ile Ser Ser Lys Lys Ile Gln Lys
1 5 10 15

Gln Gln Thr Lys Lys Lys Thr Arg Gly Lys Pro Gly Thr Lys Gly Ser
20 25 30

Arg

<210> 137
<211> 29
<212> PRT
<213> Homo sapien

<400> 137

Met Met Thr Lys Thr Leu Leu Asn Glu Asn Ser Ile Val Cys Glu Thr
1 5 10 15

Leu Lys Lys Ser Leu Phe Ile Ser Phe Cys Arg Trp Asn
20 25

<210> 138
<211> 62
<212> PRT
<213> Homo sapien

<400> 138

Met Gly Leu Pro Met Phe Ala Arg Leu Val Phe Glu Leu Leu Gly Ser
1 5 10 15

Lys Pro Ile Pro Thr His Leu Gly Pro Pro Gln Ser Ala Gly Asn Tyr
20 25 30

Arg His Glu Pro Leu His Leu Pro Ala Leu Val Thr Leu Asn Glu Leu
35 40 45

Leu Asn Leu Cys Ile Ser Ile Ser Leu Leu Ala Lys Trp Arg
50 55 60

<210> 139
<211> 84
<212> PRT
<213> Homo sapien

<400> 139

Met Ala Val Gly Arg Gly Leu Pro Gly Val Thr Ala Lys Leu Cys Val
1 5 10 15

His Arg Gln Ala Gly Arg Met Leu Gln Pro Cys Gly Val Gly Thr Val
20 25 30

Glu Ala Phe Leu Cys Val Ala Glu Asn Val Ser Gln Ile Ser Gly Asn
35 40 45

Trp Asp Arg Lys Val Pro Arg Gly Ala Cys Met Gly Arg Leu Gln Lys
50 55 60

Val Ser Pro His Phe Met Phe Val Ile Ala Ala Gln Asp Arg Gln Thr
65 70 75 80

Pro Arg Gly Trp

<210> 140
<211> 72
<212> PRT
<213> Homo sapien

<400> 140

Met Leu Ile Lys His Phe Thr Phe Ile Ile Lys Tyr Val Ala Met Phe
1 5 10 15

Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
20 25 30

Phe Phe Phe Ser Leu Ser Pro Ser Phe Phe Phe Phe Tyr Ser Pro Ser
35 40 45

Gly Thr Pro Arg Gly Gly Glu Gly Asp Arg Gly Thr Arg Arg Glu Gly
50 55 60

Ala Arg Arg Glu Arg Ala Arg Arg
65 70

<210> 141

<211> 76
<212> PRT
<213> Homo sapien

<400> 141

Met Gly Lys Lys Ala Leu Asp Gln Leu Arg Ile Leu Arg Arg Leu Pro
1 5 10 15

Ser Gln Gly Trp Pro Val Lys Gly Cys Ile Leu His Thr Arg Ile Asp
20 25 30

Leu Thr Gln Gln Gln Arg Glu Lys Thr Ser Gln Ala Gln Ser Leu Ser
35 40 45

Pro Cys Gly Ser Ile Phe Thr Ile Ser Val Ser Cys Arg Gln Ser Asn
50 55 60

Trp Arg Tyr Gln Ala Ile Pro Gln Ile Leu Leu Phe
65 70 75

<210> 142
<211> 32
<212> PRT
<213> Homo sapien

<400> 142

Met Leu Ile Ser Arg Ile Ser Asn His Leu Leu Lys Phe Tyr Ala Leu
1 5 10 15

Ile Gly Val Ala Ile Gln Asp Phe Lys Lys Ile Phe Glu Pro Ser Gln
20 25 30

<210> 143
<211> 108
<212> PRT
<213> Homo sapien

<400> 143

Phe Leu Arg Gln Ser Leu Arg Ser Val Ala Gln Ala Gly Val Gln Ala
1 5 10 15

Arg His Leu Gly Ser Leu Gln Pro Leu Ser Leu Arg Phe Lys Ala Phe
20 25 30

Ser Cys Leu Ser Leu Leu Ser Ser Trp Asp Tyr Arg His Ala Pro Pro
35 40 45

His Pro Ala Asn Phe Phe Val Phe Leu Val Glu Met Gly Phe Thr Val
50 55 60

Leu Ala Arg Met Val Ser Ile Ser Ala Thr His Asp Pro Pro Ala Leu
65 70 75 80

Ala Cys Gln Ser Ala Gly Ile Thr Gly Ala Arg Arg His Pro Arg Leu
85 90 95

Ile His Ile His Phe Leu Ile Phe Glu Tyr Gln Ser
100 105

<210> 144
<211> 199
<212> PRT
<213> Homo sapien

<400> 144

Met Thr Thr His Glu Pro His Pro Arg His Lys His Ala Thr Thr Pro
1 5 10 15

Ala Arg Thr His Pro Pro Asn His Glu Pro His Thr Pro Pro His Thr
20 25 30

Thr Pro Thr Ser Pro Thr Thr Thr Pro Ala Thr Thr Pro Arg Thr His
35 40 45

Thr Thr Thr Pro Thr Thr Ala Gln Thr Arg Arg Asp Arg Thr Ala Glu
50 55 60

Lys Thr Thr Gln Arg Gly Gly Lys Glu Asp Asn Asp Ala Glu Gly Arg
65 70 75 80

Arg Lys Arg Gly Pro Ile Thr Pro Pro Ala Ser Gly Ala Glu Ser Arg
85 90 95

Gly Gly Leu Ala Arg Arg Ala Arg Trp Pro Pro Ala Asn Thr Thr Arg
100 105 110

His Ala Thr Asn Asp Pro Thr His Gln Arg Thr Ala Gln Gln Gln Arg
115 120 125

Arg Thr Ala Arg Asp Gln Arg Gly Thr Ala Asp Arg His Thr Asp Ala
130 135 140

Arg Gly His Asp Gln Arg Arg Arg Thr Thr Gly Asp Asp Thr Arg Gln
145 150 155 160

Ala Thr Gln Arg Ala Gln Pro Thr Gly Arg Glu Glu Lys Arg Gly Lys
165 170 175

Lys Asn Ala Lys Ala Arg Pro Ala Ala Asn Arg Gly Ala Asn Gly Pro
180 185 190

Gln Ala Ala Ala Ala His Glu
195

<210> 145
<211> 88
<212> PRT
<213> Homo sapien

<400> 145

Met Arg Gly Ile Asn Pro Asp Pro Ser Val Cys Gly Ile Cys Asp Phe
1 5 10 15

Tyr Ser Ser Lys Val Ser Ile His Val Pro His Ser Glu Leu Ser Gln
20 25 30

Lys Asn Phe Ile Thr Leu Phe Ile Phe Phe Leu Arg Gly Lys Phe Lys
35 40 45

Gln Arg Lys Ser Leu Ala Gly Tyr Thr Gln Trp Leu Ile Gly Val Asp
50 55 60

Leu Arg Gly Gly Asp Asn Cys Val Tyr Ser Arg Ser His Thr Ser Pro
65 70 75 80

His Asn Tyr Tyr Arg Thr Asn Thr
85

<210> 146
<211> 63
<212> PRT
<213> Homo sapien

<400> 146

Met Trp Glu Gln Asn Phe Ile Cys Ala Phe Ile Val Glu Gln Glu Ser
1 5 10 15

His Leu Ala Leu Tyr Pro Ser Ser Leu Leu Tyr Asn Ser His Arg Asn
20 25 30

Val Ile Lys Leu Ala Ser Asn Trp Thr Arg Arg Lys Arg Trp Glu Thr
35 40 45

Pro Gly Ser Ile Ser Arg Val Arg Pro Pro Glu Lys Gly Ser Val
50 55 60

<210> 147
<211> 50
<212> PRT
<213> Homo sapien

<400> 147

Met Arg Pro Pro Ile Thr Leu Leu Gly Ala Arg Asp Lys Asn Lys Lys
1 5 10 15

Ser Trp Ala Val Pro Arg Gly Ala Ser Ala Trp Cys Pro Gly Gly Lys
20 25 30

Met Gly Asn Pro Ala His Asn Pro Pro Thr Thr Ile Pro Ala Gln Arg
35 40 45

Thr Arg
50

<210> 148
<211> 36
<212> PRT
<213> Homo sapien

<400> 148

Met Pro Gln Gly Lys Lys Tyr Asn Thr Tyr Ile His Lys Gln Lys Lys
1 5 10 15

Gln Glu Arg Ile Gln Met Ser Phe Asn Arg Gly Met Leu Thr Leu Met
20 25 30

Val Ala Tyr Ser
35

<210> 149
<211> 98
<212> PRT
<213> Homo sapien

<400> 149

Met Ser Ser Ser Ala Pro Thr Pro Trp Gly Ala Lys Gly Gly Glu Leu
1 5 10 15

Trp Arg Pro Glu Lys Pro Thr Phe Ser Thr His Gly Glu His Arg Tyr
20 25 30

Glu Pro His Trp Ser Asn Pro Gln Ala Leu Phe Phe Phe Leu Phe Phe
35 40 45

Phe Phe Phe Phe Phe Arg Lys Arg His Val Ile Tyr Phe Met Asn Ser
50 55 60

Ile Ser Arg Leu Ser Gly Asn Met Glu His Trp Gly Thr Asp Pro Ser
65 70 75 80

Thr Glu Gly Phe Ala Ser Leu Leu Trp Phe Ser Cys Gln Leu Met Ile
85 90 95

Arg Pro

<210> 150
<211> 94
<212> PRT
<213> Homo sapien

<400> 150

Met Cys His Leu Leu Ile Phe Ile Arg Asn Leu Ser Leu Val Ala Thr
1 5 10 15

Trp Pro Asn Thr Leu Gln Ser Met Ser Val Cys Leu Ser Val Cys Val
20 25 30

Ser Leu Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val
35 40 45

Cys Val Ser Pro His Ser Phe Ile Leu Ser Leu His Ser Ser Ile Ile
50 55 60

Ile Asn Ile Arg Glu Ile His Arg Lys Tyr Ile Glu Lys Ile Thr Val
65 70 75 80

Phe Ser Ile Lys Lys Lys Gln Leu Pro Ser Leu His Ser Phe
85 90

<210> 151
<211> 260
<212> PRT
<213> Homo sapien

<400> 151

Leu Arg Arg Ala Lys Ala His Glu Gly Leu Gly Phe Ser Ile Arg Gly
1 5 10 15

Gly Ser Glu His Gly Val Gly Ile Tyr Val Ser Leu Val Glu Pro Gly
20 25 30

Ser Leu Ala Glu Lys Glu Gly Leu Arg Val Gly Asp Gln Ile Leu Arg
35 40 45

```
Val Asn Asp Lys Ser Leu Ala Arg Val Thr His Ala Glu Ala Val Lys
    50                  55                  60

Ala Leu Lys Gly Ser Lys Lys Leu Val Leu Ser Val Tyr Ser Ala Gly
65                  70                  75                  80

Arg Ile Pro Gly Gly Tyr Val Thr Asn His Ile Tyr Thr Trp Val Asp
                85                  90                  95

Pro Gln Gly Arg Ser Ile Ser Pro Pro Ser Gly Leu Pro Gln Pro His
            100                 105                 110

Gly Gly Ala Leu Arg Gln Gln Glu Gly Asp Arg Arg Ser Thr Leu His
        115                 120                 125

Leu Leu Gln Gly Gly Asp Glu Lys Lys Val Asn Leu Val Leu Gly Asp
    130                 135                 140

Gly Arg Ser Leu Gly Leu Thr Ile Arg Gly Gly Ala Glu Tyr Gly Leu
145                 150                 155                 160

Gly Ile Tyr Ile Thr Gly Val Asp Pro Gly Ser Glu Ala Glu Gly Ser
                165                 170                 175

Gly Leu Lys Val Gly Asp Gln Ile Leu Glu Val Asn Gly Arg Ser Phe
            180                 185                 190

Leu Asn Ile Leu His Asp Glu Ala Val Arg Leu Leu Lys Ser Ser Arg
        195                 200                 205

His Leu Ile Leu Thr Val Lys Asp Val Gly Arg Leu Pro His Ala Arg
    210                 215                 220

Thr Thr Val Asp Glu Thr Lys Trp Ile Ala Ser Ser Arg Ile Arg Glu
225                 230                 235                 240

Thr Met Ala Asn Ser Ala Gly Ser Gly His Ser Ala Arg Ser Asn Leu
                245                 250                 255

Gln Thr Pro Gly
            260
```

<210> 152
<211> 95
<212> PRT
<213> Homo sapien

<400> 152

```
Met Trp Val Leu Val Leu Gly Ala Leu Leu Ala Gly Ile Ile Pro Leu
1               5                  10                  15

Cys Tyr Ser Pro Gly Ile Gln Arg Phe Leu Pro Pro Trp Gly Leu Pro
            20                  25                  30

Pro Thr Ala Phe Cys Arg Gln Cys Val Phe Ala Leu Val Ser Cys Gly
        35                  40                  45

Ala Arg Gly Ser Arg Ser Ala Gly Gly Val Ser Gly Gly Ala Pro Arg
    50                  55                  60

Cys Ala Pro Leu Phe Ile Trp Gly Ile Cys Val Cys Gly Gly Ser Pro
65                  70                  75                  80

Pro Trp Phe Ala Val Cys Arg Ala Cys Gly Ser Pro Arg Ser Val
                85                  90                  95
```

<210> 153
<211> 62
<212> PRT
<213> Homo sapien

<400> 153

```
Met Phe Ser Val Val Val Trp Cys Leu Leu Val Arg Cys Val Val Val
1               5                  10                  15

Asn Cys Gly Glu Leu Trp Arg Gly Ile Thr Asn Val His Pro Gly Gly
            20                  25                  30

Pro Ala Tyr Glu Pro Glu Ala Thr Pro Gln Ala Phe Phe Phe Cys Phe
        35                  40                  45

Phe Phe Leu Leu Val Lys Glu Pro Ser Phe Ile Ile Lys Gln
    50                  55                  60
```

<210> 154
<211> 65
<212> PRT
<213> Homo sapien

<400> 154

```
Met Arg Leu Ile Gln Lys Arg Arg Ile Tyr Pro Ser Arg Lys Thr Glu
1               5                  10                  15

Ile Asn Ser Ser Ser Pro Phe Thr Tyr Pro Pro Tyr Thr His Thr Tyr
            20                  25                  30
```

Asn Thr His Thr His Thr His Thr Glu Arg Glu Arg Asp Leu Pro Gly
35 40 45

Gly Ile His His Leu Arg Arg Ser Ser Asn Ala Ile Asn Gly Pro Phe
50 55 60

Ala
65

<210> 155
<211> 51
<212> PRT
<213> Homo sapien

<400> 155

Met Ile Cys Ile Pro Leu Arg Lys Asn Ser Ser Trp Glu Phe Ile Arg
1 5 10 15

Leu Phe Phe Ile Pro Ala His Lys Lys Lys Leu Leu Ala Leu Leu Leu
20 25 30

Leu Lys Thr Glu Glu Pro Gln Glu Lys Ile Ser Phe Ser Tyr Arg Ala
35 40 45

Lys Ile Lys
50

<210> 156
<211> 129
<212> PRT
<213> Homo sapien

<400> 156

Met Leu Leu Glu Arg Pro Gln Cys Asp Gly Cys Ala Arg Ala Gly Thr
1 5 10 15

Ala Phe Phe Phe Phe Phe Phe Leu Gly Asn Gly Ile Leu Leu Cys His
20 25 30

Pro Gly Trp Ile Lys Val Ala Gln Pro Trp Phe Thr Glu Thr Ser Ala
35 40 45

Ser Trp Val Val Phe Lys Asn Ile Leu Leu Phe Ser Cys Val Leu Ser
50 55 60

Ala Ser Pro Lys Leu Ala Val Gly Leu Thr Gly Leu Ala Thr Thr Ala
65 70 75 80

Thr Gln Leu Asn Phe Val His Val Phe Ser Lys Ala Arg Gly Phe Ser

85 90 95

Leu Asn Leu Phe Gly Pro Gly Val Val Ser Arg Leu Leu Arg Glu Pro
100 105 110

Gln Val Thr Pro Ser Val Pro Ser Arg Leu Leu Lys Met Trp Leu Val
115 120 125

Tyr

<210> 157
<211> 71
<212> PRT
<213> Homo sapien

<400> 157

Met Ile Arg Gln Ala Val Phe Asn Ala Val Tyr Asn Cys Phe Ile Ile
1 5 10 15

Ser Cys Ser Asp Cys Ser Leu Leu Val Cys Arg Asn Thr His Leu Phe
20 25 30

Cys Asp Pro Cys Leu Gln Pro His Ser Leu Ile Ile Phe Ile Leu Ile
35 40 45

Ala Ile Leu Arg Met Cys Ser Ile Tyr Arg Asp Pro Ile Ile Leu Val
50 55 60

Glu Leu Lys Ile Cys Leu Cys
65 70

<210> 158
<211> 69
<212> PRT
<213> Homo sapien

<400> 158

Met Arg Leu Pro Leu His His Val Leu Pro Leu Arg Asp Leu Ser Phe
1 5 10 15

Gln His Tyr Ser Cys Lys Leu Gln Trp His Ser Thr Thr Phe Ile Pro
20 25 30

Ser Ser Cys His Ser Leu Phe Phe His Ser Phe Leu Thr Val Cys Thr
35 40 45

Pro Met Tyr Ala Ala Ile Phe Ile Ile Leu His Phe Leu Tyr Leu Ser
50 55 60

Ile Pro Asn Ile Leu
65

<210> 159
<211> 57
<212> PRT
<213> Homo sapien

<400> 159

Met Ser His Cys Thr Gln Pro Gly Glu Ser Phe Ile Met Gly Tyr Glu
1 5 10 15

Val Tyr Arg Leu His Ser Asp Ser Thr Lys Leu Asp Phe Met Arg Ile
20 25 30

Gln Leu Gln Leu Thr Phe Thr Ser Gly Leu Thr Leu Lys Arg Lys Ile
35 40 45

Val Ser Gln Lys Asp Leu Trp Tyr Met
50 55

<210> 160
<211> 102
<212> PRT
<213> Homo sapien

<400> 160

Met Tyr His Phe Ser Thr Leu Arg Ala Cys Leu Gly Pro Phe Phe Cys
1 5 10 15

Val Arg Cys Leu Gln Thr Ile Leu Thr Ile Leu Glu Arg Ala Leu Pro
20 25 30

Arg Arg Glu Ser Arg Gly Thr Phe Leu Phe Ser Gln Lys Lys Pro Arg
35 40 45

Val Ile Arg Phe Pro Pro Pro Gly Gly Gly Leu Leu Asn Gln Glu Val
50 55 60

Asp Leu Leu Ala Ser Ile Ser Val Tyr Asn Pro Gln Pro Ser Gly Val
65 70 75 80

Thr Thr Gly Leu Gln Arg Val Cys Asp Asn Val Ser Asn Ala Glu Lys
85 90 95

Lys Thr Pro Ser Pro Val
100

<210> 161
<211> 70
<212> PRT
<213> Homo sapien

<400> 161

Met Val Met Cys Gln Pro Glu Gly Asn Val Tyr Ala Val Leu Arg Ser
1 5 10 15

Pro Leu Phe Leu Glu Asn Gln Gln Asn Arg Ala Asp His Leu Ala Tyr
20 25 30

His Phe Cys Val Leu Leu Val Pro Gly Ile Gly Leu Trp Phe Asp His
35 40 45

Cys Cys Asp His Cys Ser Ala Asp Cys Asp Leu Gln Asn Thr Glu Ser
50 55 60

Lys Leu Gln Ser Pro Trp
65 70

<210> 162
<211> 59
<212> PRT
<213> Homo sapien

<400> 162

Met Gly Cys His Lys Ser Gly Thr Gly Gly Phe Leu Ser Arg Gly Lys
1 5 10 15

Arg Thr Glu Pro Ala His His Val Met Pro Cys His Leu Arg Ile Leu
20 25 30

His Ser Ser His Gln Glu Glu Gly Pro His Gln Met Gln Pro Leu Asn
35 40 45

Phe Glu Leu Leu Ser Leu Gln Ser Cys Gln Lys
50 55

<210> 163
<211> 84
<212> PRT
<213> Homo sapien

<400> 163

Met Thr Thr Gln Thr Gly Asn Gln Leu Asp Ala His Gly Gly Ser Ala
1 5 10 15

Gln Ala Leu Phe Cys Phe Phe Leu Phe Phe Phe Tyr Leu Lys Tyr Leu

20 25 30

Val Leu Asn Leu Val Gln Leu Asn His Trp Glu Phe Glu Phe Leu Phe
35 40 45

Lys Ser Cys Leu Trp Ser Ala Ser Tyr Gly Lys Pro Leu His Trp Ile
50 55 60

Pro Ser Thr Lys Thr Arg Leu Leu Lys Phe Lys Cys Gln Trp Gly Arg
65 70 75 80

Trp Glu Ala Ala

<210> 164
<211> 41
<212> PRT
<213> Homo sapien

<400> 164

Met Cys His His His Gly Asn His Ala Phe Trp Ala Pro Leu Gly Val
1 5 10 15

Thr Ala Pro Ser Ala Val Leu Phe Cys Phe Val Phe Leu Phe Cys Phe
20 25 30

Phe Ser Gln Leu Gly Lys Phe Asn Ile
35 40

<210> 165
<211> 51
<212> PRT
<213> Homo sapien

<400> 165

Met Arg Leu Phe Phe Thr Ser Leu Ser Gln Gly Cys Phe Phe Leu Val
1 5 10 15

Ile Cys Leu Leu Cys Phe Ile Arg Tyr Phe Ala Gln Ile Lys His Ser
20 25 30

Pro Gly Ala Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys Arg Pro Arg
35 40 45

Arg Asp His
50

<210> 166
<211> 31

<212> PRT
<213> Homo sapien

<400> 166

```
Met Trp Leu Val Phe Pro Leu Tyr Ile Lys Met Leu Leu Ser Gly Ile
1               5                   10                  15

Ala Gln Asp Pro Gln Thr Asn Arg Asp Tyr Leu Pro Arg Thr Lys
            20                  25                  30
```

<210> 167
<211> 74
<212> PRT
<213> Homo sapien

<400> 167

```
Met Ser His Thr Pro Val Thr Tyr Pro Ala Arg Gly Ser Gly Asn Ser
1               5                   10                  15

Pro Ile Ser Ala Cys Val Ile Phe Gln Trp Trp Cys Ser Glu Val Cys
            20                  25                  30

Leu Pro Met Ala Ser Gln Pro Val Ala Gly Val Leu Trp Met Gly Leu
        35                  40                  45

Pro Ser Met Val Pro Leu Leu Ser Gln Glu Thr Gly Glu Asn Glu Ala
    50                  55                  60

Phe Ser Arg Val Phe Glu Val Ala Asn Ala
65                  70
```

<210> 168
<211> 229
<212> PRT
<213> Homo sapien

<400> 168

```
Met Ser Leu Leu Cys Leu Leu Leu Ser Phe Leu Leu Phe Tyr Phe Ser
1               5                   10                  15

Ala Leu Val Phe Ser Tyr Ala Ser Leu Phe Pro Leu Val Ala Ser Cys
            20                  25                  30

Cys Ser Val Leu Phe Val Phe Met Arg Ser Gly Gly Leu Cys His Val
        35                  40                  45

Cys Gly Leu Ala Leu Phe Val Cys Phe Leu Leu Val Gly Leu Leu Arg
    50                  55                  60
```

Leu Arg Ser Pro Leu Tyr Thr Pro Leu Ser Val Ala Phe Arg His Ser
65 70 75 80

Arg Arg Val Ser Phe Cys Cys Ala Phe Arg Val Ser Val Val Val Ser
85 90 95

Leu Arg His Val Val Cys Val Arg Cys Val Ser Phe Met Val Leu Phe
100 105 110

Ser Phe Ser Ser Leu Phe Ala Val Leu Leu Phe Val Arg Ser Phe Ser
115 120 125

Leu Trp Phe Ala Phe Cys Ser Leu Val Pro Phe Leu Cys Ala Leu Val
130 135 140

His Val Leu Phe Phe Arg Leu Leu Phe Leu Ser Ser Phe Val Val Leu
145 150 155 160

Leu Ile Met Leu Phe Phe Val Leu Leu Phe Leu Thr Leu Leu Ser Cys
165 170 175

Phe Ser Leu Ser Arg Pro Phe Cys Ser Phe Leu Cys Leu Tyr Ala Ser
180 185 190

Met Ser Val Cys Leu Gly Arg Ala Arg Gly Cys Val Ile Ala Gly Ser
195 200 205

Gly Arg Leu Leu Ala Ile Tyr Arg Leu Met Arg Cys Leu Val Ser Pro
210 215 220

Cys Leu Leu Leu Ala
225

<210> 169
<211> 34
<212> PRT
<213> Homo sapien

<400> 169

Met Leu Gly Phe Leu Ala His Phe Gln Arg Phe Ala Arg Lys Lys Val
1 5 10 15

Pro Lys His Gln Leu Ile Ser Ser Ser Leu His Val Gly His Gly Asn
20 25 30

Ile Ser

<210> 170
<211> 51
<212> PRT
<213> Homo sapien

<400> 170

Met Gly Met Gly Ala Gly Lys Pro Phe His Thr Arg Thr Ser Cys Arg
1 5 10 15

Pro Trp Leu Pro Pro His Leu Phe Phe Phe Phe Phe Ser Glu Val
20 25 30

Asn Leu Asp Leu Cys Leu Phe Thr Pro His Tyr Val Lys Thr Gly Ala
35 40 45

Ser Phe Leu
50

<210> 171
<211> 46
<212> PRT
<213> Homo sapien

<400> 171

Met Cys Pro Cys Lys Arg Val Phe Ala Asp Thr Thr Ser Phe Ile Thr
1 5 10 15

Gln Gly Pro Gln Phe Ile Pro Phe Pro Gln Glu Val Pro Pro Pro Leu
20 25 30

Ser Glu Gly Lys Asn Phe Pro Ala Val Asn Tyr Arg Ala Tyr
35 40 45

<210> 172
<211> 45
<212> PRT
<213> Homo sapien

<400> 172

Met Ala Val Ala Phe Gln Ser Leu Ile Pro Trp Gly Leu Gln Leu Cys
1 5 10 15

Val Asn Lys Val Ala Ala Asp Glu Leu Val Leu Thr Arg Lys Met Lys
20 25 30

Ala Lys Tyr Ala Ser Ile Ser Ser Arg Gln His Thr Asp
35 40 45

<210> 173
<211> 59

<212> PRT
<213> Homo sapien

<400> 173

Met Met Lys Leu Arg Trp Arg Ile Leu Lys Pro Gly Ala Glu Val Thr
1 5 10 15

Met Lys Arg Asn Val Gln Leu His Ser Ser Leu Gly Thr Glu Glu Asp
20 25 30

Leu His Arg Lys Lys Lys Lys Lys Lys Lys Ser Leu Val His Gly Ile
35 40 45

Cys Pro Cys Val Asn Val Ser Arg Gln Ser Gln
50 55

<210> 174
<211> 59
<212> PRT
<213> Homo sapien

<400> 174

Met Lys Ile Gly Pro Met Phe Thr Trp Val Glu Thr Tyr Ile Thr His
1 5 10 15

Leu Gln Leu Gly Pro Leu Cys Gln Thr Ser Phe Gln Thr Gln Arg His
20 25 30

Ala Gly Ala Ser Ser Leu Ser Ile Asn Gly Ser Ala Val Gly Met Ser
35 40 45

Ala Val Gly Gly Leu Leu Leu Gly Glu Ser His
50 55

<210> 175
<211> 74
<212> PRT
<213> Homo sapien

<400> 175

Met Phe Thr Ile His Arg Val Arg Ile Pro His Lys Ile Phe Arg Arg
1 5 10 15

Pro His Ile Leu Ile Gly Ser Val Pro Ile Pro Ser Leu Phe Arg Gly
20 25 30

Pro Lys Leu Phe Phe Thr Ser Ser Ser Ala Ile Met Gly Asn Pro Phe
35 40 45

Val Val Tyr Thr His Lys Arg Val Gly Arg Trp Asn Lys Pro Leu Tyr
50 55 60

Val Met Leu Leu Met Lys Val Ile Ser Leu
65 70

<210> 176
<211> 73
<212> PRT
<213> Homo sapien

<400> 176

Met Gln Ser Gln Leu His Ser Tyr Phe Phe Glu Arg Arg Ala Arg Phe
1 5 10 15

His Thr Leu Cys Ala Arg Asn Ile Asn Ile Ser Ser Ser Leu Gln Glu
20 25 30

Glu Val Pro Thr Ile Leu Val Met Pro His Ser Lys Lys Thr Ile Phe
35 40 45

Val Glu Lys Leu Phe Phe Gly Ala Thr Ala Phe Ala Leu Lys Asn Cys
50 55 60

Cys Leu Phe Thr Pro Pro Thr Tyr Phe
65 70

<210> 177
<211> 129
<212> PRT
<213> Homo sapien

<400> 177

Met Ala Val Ser Val Ser Leu Cys Ser Ser Pro Arg Cys Leu Ser Leu
1 5 10 15

Leu Phe Val Ala Ser Ala Arg Ala Thr Arg Pro Leu Leu Val Leu Ser
20 25 30

Val Val His Ser Arg Ser Trp Leu Val Leu Ser Cys Ala Phe Leu Ser
35 40 45

Ser Gly Ser Cys Pro Arg Arg Leu Leu Val Ser Cys Tyr Arg Val Gly
50 55 60

Cys Val Ser Pro Ser Gly Ala Ser Phe Ser Ser Ser Ala Ser Ser Ser
65 70 75 80

Ala Pro Phe Cys Trp Val Gly His Phe Cys Pro Arg Gly Asp Ser Arg

85 90 95

Val Ile Pro Gly Glu Ser Thr Met Gly Met Arg His Thr Thr Cys Tyr
100 105 110

Arg Arg Thr His Gly Arg Trp Phe Val Gly Cys Phe Val Val Val Cys
115 120 125

Phe

<210> 178
<211> 52
<212> PRT
<213> Homo sapien

<400> 178

Met Leu Gly Ile Val Gly Pro Gly Thr His Phe Thr Pro Gly Asp Tyr
1 5 10 15

Arg Phe Gly Ala Leu Gly Val Ala Pro Ser Arg Phe Arg Cys Val Tyr
20 25 30

Glu Cys Val Ser Ser Lys Arg Lys Lys Gly Thr Leu Asn Asn Pro Leu
35 40 45

Gly His Ser Gly
50

<210> 179
<211> 90
<212> PRT
<213> Homo sapien

<400> 179

Met Met Phe Tyr Thr Gln Thr Pro Val Phe Val Pro Phe Val Pro Pro
1 5 10 15

Asn Asn Ile Cys Pro Leu Ile Met Asn Tyr Tyr Thr Gln Ser Ala Ile
20 25 30

Pro Gly Val Tyr Thr Pro Tyr Leu Arg Tyr Lys Phe Ser Pro Lys Ile
35 40 45

Val Lys Lys Lys Lys Pro Pro Phe Leu Asn Asn Lys Thr Phe Val Pro
50 55 60

Trp Asn Lys Arg Lys Phe Leu Pro Leu Pro Lys Lys Lys Lys Lys Lys
65 70 75 80

```
Lys Lys Gly Gly Gly Thr Cys Pro Ala Ala
                85                  90


<210>  180
<211>  142
<212>  PRT
<213>  Homo sapien

<400>  180

Met Ser Met Ser Cys Gly Ala Gly Ala Pro Leu Arg Val Cys Val Ser
1               5                   10                  15


Trp Trp Leu Trp Val Gly Gly Arg Val Gly Ala Val Val Arg Pro Arg
            20                  25                  30


Ala Leu Trp Ser Ala Trp Gly Ala Val Gly Gly Gly Leu Leu Cys Val
        35                  40                  45


Val Ala Leu Phe Trp Leu Cys Ala Gly Arg Arg Gly Ala Arg Leu Pro
    50                  55                  60


Pro Ser Pro Cys Gly Ala Val Ala Val Ala Ala Val Asp Ala Gly Ala
65                  70                  75                  80


Ala Gly Gly Val Val Arg Gly Gly Gly Val Val Val Val Gly Arg Trp
                85                  90                  95


Leu Gly Arg Leu Gly Trp Val Val Gly Arg Val Cys Ala Arg Gly Pro
            100                 105                 110


Cys Leu Cys Arg Gly Gly Ala Trp Ala Gly Ala Ala Gly Arg Gly Gly
        115                 120                 125


Gly Gly Arg Arg Gly Arg Arg Gly Arg Ala Arg Gly Pro Gly
    130                 135                 140


<210>  181
<211>  80
<212>  PRT
<213>  Homo sapien

<400>  181

Met Ser Arg Arg Gly Pro Pro Pro Phe Phe Phe Phe Phe Phe Phe Phe
1               5                   10                  15


Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
            20                  25                  30
```

Phe Phe Phe Phe Phe Lys Lys Lys Lys Lys Leu Leu Phe Ile Lys Lys
35 40 45

Gly Gly Gly Gly Ala Arg Gly Gly Gly Gly Arg Ala Pro Gly Gly Gly
50 55 60

Gly Gly Gly Glu Lys Thr Thr Lys Lys Arg Arg Thr Thr Ser Gly Pro
65 70 75 80

<210> 182
<211> 72
<212> PRT
<213> Homo sapien

<400> 182

Met Leu Glu Arg Arg Ser Val Met Asp Glu Arg Arg Pro Gly Arg Phe
1 5 10 15

Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Glu
20 25 30

Lys Lys Phe Phe Lys Asn Pro Gln Lys Phe Pro Gly Gln Gly Gly Leu
35 40 45

Pro Pro Gly Lys Lys Lys Lys Lys Lys Lys Ile Trp Ala Leu Trp Gly
50 55 60

Leu Pro Leu Ser Leu Val Gly Gly
65 70

<210> 183
<211> 95
<212> PRT
<213> Homo sapien

<400> 183

Met Arg Pro Pro Lys Phe Tyr Ser Leu Leu Asn Val Ser Pro His Ser
1 5 10 15

Arg Ala Leu Ser Ile Ala Pro Ser Thr Lys Lys Thr Ser Asn Arg Gly
20 25 30

Glu Asp Val Arg Arg Gly Glu Val Pro Pro Arg Ala His Ser Arg Cys
35 40 45

Lys His Cys Thr Thr Thr Pro His Pro Phe Gly Leu Cys Thr Thr Phe
50 55 60

Ser Thr Gly Gly Thr Thr Thr Phe Cys Arg Ser Ser Gln Thr Leu Ser
65   70   75   80

Cys Leu Pro Ser Thr Pro Leu Leu Leu Pro Trp Val Leu Leu Cys
                85   90   95

<210> 184
<211> 17
<212> PRT
<213> Homo sapien

<400> 184

Met Gly Glu Asp Lys Gln Asp Leu Phe Ala Phe Ala Ala Leu Ile Phe
1   5   10   15

Leu

<210> 185
<211> 71
<212> PRT
<213> Homo sapien

<400> 185

Met Ala Ala Asp Pro Ala Ser Ala Gln Gly Asp Ser Gly Thr Gly Tyr
1   5   10   15

Val Ser Cys Leu Leu Ser Ile Phe Ala Gly Cys Ala Leu Gln Trp Cys
            20   25   30

Ala Leu Leu Leu Leu Leu Cys Leu Phe Phe Leu Arg Leu Phe Phe Gly
        35   40   45

Ile Leu Trp Arg Val Thr Pro Val Pro Thr Gly Thr Pro Phe Ala Pro
    50   55   60

Glu Ile Met Pro Pro Thr Phe
65   70

<210> 186
<211> 59
<212> PRT
<213> Homo sapien

<400> 186

Met Ala Leu Ser Leu Ala Ala Trp Thr Leu Leu Glu Glu Cys Val Ser
1   5   10   15

Ser Arg Cys Leu Pro Thr Val Met Gly Gly Ser Leu Phe Ile Gly Leu
            20   25   30

Leu Leu Cys Leu Leu Ala Ser Met Phe Gly His Val Val Ser Pro Ser
35 40 45

Trp Phe His Thr Tyr Trp Asn Leu Val Tyr Pro
50 55

<210> 187
<211> 80
<212> PRT
<213> Homo sapien

<400> 187

Pro Arg Lys Ala Leu Phe Thr Tyr Pro Lys Gly Ala Ala Glu Met Leu
1 5 10 15

Glu Asp Gly Ser Glu Arg Phe Leu Cys Glu Ser Val Phe Ser Tyr Gln
20 25 30

Val Ala Ser Thr Leu Lys Ala Val Lys His Asp Gln Gln Val Ala Arg
35 40 45

Met Glu Lys Leu Ala Gly Leu Val Glu Glu Leu Glu Ala Asp Glu Trp
50 55 60

Arg Phe Lys Pro Ile Glu Gln Leu Leu Gly Phe Thr Pro Ser Ser Gly
65 70 75 80

<210> 188
<211> 105
<212> PRT
<213> Homo sapien

<400> 188

Met Arg Thr Met Met Thr Cys Asp Lys Ile His His Val Ser Ile Ser
1 5 10 15

Gln Ser Leu Gln Ile Gln Ser His Asn Glu Pro Leu Met Gln Gln Ser
20 25 30

His Pro His Ser Leu Ile Ser Leu Gly Asn Ile Thr Ala Tyr Thr Met
35 40 45

Asn Asn Pro Leu Arg Tyr Ala Asp Ser Ser His His Ser Val Glu Asn
50 55 60

Ser Ile Leu Leu Thr Val Arg Pro Thr Val Leu Phe Pro Arg Ala Ser
65 70 75 80

Val Glu Leu Gln Asn Arg Pro Ser Cys Asp Gln Pro Ser Gln Arg Leu
85 90 95

Met Ser Gln Phe Val Ala Leu Asp Ser
100 105

<210> 189
<211> 83
<212> PRT
<213> Homo sapien

<400> 189

Met Cys Glu Ser Leu Ala Phe Leu Leu Leu Gln Phe Gly Tyr Phe Ala
1 5 10 15

Leu Ile Ser Phe Val Asn Ser Ile Leu Tyr Ser Phe Asp Arg Arg Ala
20 25 30

Tyr Cys Asn Lys Val Lys Ile Ile Ala Gln Lys Ile Leu His Ile Phe
35 40 45

Ser Thr Asn Pro Tyr Cys Phe Leu Pro Thr Lys Asp Leu Tyr Tyr Ser
50 55 60

Lys Cys Val Ser Thr Cys Leu Ala Leu Tyr Pro Gln Arg Lys Lys Cys
65 70 75 80

His Leu Leu

<210> 190
<211> 40
<212> PRT
<213> Homo sapien

<400> 190

Met Ile Thr Pro Leu His Ser Ser Leu Gly Lys Ser Asp Thr Gln Pro
1 5 10 15

Lys Lys Asn Asn Lys Lys Lys Lys Lys Lys Asn Thr Trp Gly Ile Pro
20 25 30

Trp Gly Lys Gly Cys Ser Gly Val
35 40

<210> 191
<211> 75
<212> PRT
<213> Homo sapien

<400> 191

Met Thr Asn Asn Thr Pro Lys Phe Phe Phe Phe Phe Phe Phe Phe Leu
1 5 10 15

Gly Glu Thr Glu Ser Leu Thr Leu Ser Pro Arg Leu Glu Cys Ser Gly
20 25 30

Glu Ile Ser Ala His Cys Asn Leu Arg Leu Leu Asp Ser Cys Asp Ser
35 40 45

Pro Val Ser Ser Phe Pro Ser Ser Trp Gly Tyr Arg Arg Gly Pro His
50 55 60

Leu Pro Gly Asp Pro Ser His Cys Ala Val Arg
65 70 75

<210> 192
<211> 67
<212> PRT
<213> Homo sapien

<400> 192

Met His Phe Cys Gln Leu Leu Arg Thr Ser Ser Leu Ile Gly Met Cys
1 5 10 15

Trp Val Leu Arg Phe Ser Tyr Phe Phe Lys Leu Cys Leu Glu Phe Lys
20 25 30

Asn Tyr Thr Ser Leu Asn Tyr Met Pro Asn Ser Trp Pro Thr Gln Met
35 40 45

Lys Val Leu Val Leu Leu Ser Val Ile Pro Gly Leu Cys Gly Asn Leu
50 55 60

Asn Thr Ser
65

<210> 193
<211> 47
<212> PRT
<213> Homo sapien

<400> 193

Met Trp Thr Gly Asn Asn Gln Ile Val His Pro Thr Gly Thr Thr Leu
1 5 10 15

Trp Pro Thr Glu Leu Pro Ala Arg Leu Phe Phe Val Phe Phe Cys Phe
20 25 30

Phe Leu Ile Lys Cys Leu Tyr Phe Ile Lys Lys Thr Ser Pro Phe
35 40 45

<210> 194
<211> 68
<212> PRT
<213> Homo sapien

<400> 194

Met Ala His Gly Val Pro Leu Ala Leu Pro Val Val Pro Ala Trp Trp
1 5 10 15

Gly Cys Ser Arg Arg Leu Leu Ala Pro Gly Phe Ala Thr Pro Leu Leu
20 25 30

Arg Gly Phe Ala Pro Leu Leu His His Arg Arg Gly Arg Lys Asn Glu
35 40 45

Lys Lys Glu Glu Phe Leu Arg Val Thr Met Met Asn Thr Trp Gly Leu
50 55 60

Ala Leu Leu Val
65

<210> 195
<211> 68
<212> PRT
<213> Homo sapien

<400> 195

Met Thr Asn His Asp Thr Thr Val Gly Val Leu Ile Tyr His Thr His
1 5 10 15

His Lys Leu Leu Thr Thr Ile Ile Asn Ile Ser Leu Phe Phe Ser Gly
20 25 30

Glu His Asn Asn Thr Thr Leu Phe Phe Glu Thr His Thr Leu Phe Thr
35 40 45

Thr Thr Phe Phe Phe Phe His Ser Pro Ser Pro Pro His Phe Pro Gly
50 55 60

Phe Phe Phe Leu
65

<210> 196
<211> 122
<212> PRT

<213> Homo sapien

<400> 196

Met Asp Ala Ala Arg Ala Gly Lys Lys Lys Lys Lys Lys Lys Lys Lys
1 5 10 15

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys
20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Gly Phe Val
35 40 45

Pro Ser Ser Pro Leu Phe Leu Phe Ser Ile Thr Thr Phe Pro Arg Asp
50 55 60

Arg Ala Ala Arg Gly Gly Asp Thr Leu Tyr Tyr Ile Glu Glu Gly Asp
65 70 75 80

Arg Arg Tyr Ser Ser Lys Arg Ala Glu Asn Ile Ala Lys Ile Gly Trp
85 90 95

Leu Pro Gly Glu Thr Ile Glu Val Val Ala Thr Ile Leu Glu Pro Phe
100 105 110

Ala Cys Arg Leu Val His Thr Thr Pro Gln
115 120

<210> 197
<211> 84
<212> PRT
<213> Homo sapien

<400> 197

Met Cys Leu Leu Ala Pro Cys Pro Glu Thr Pro Glu Ser Ser Trp Val
1 5 10 15

Val Lys Glu Ile Pro Trp Ser Ser Gln Val Pro Gly Ala Thr Cys Trp
20 25 30

Gly Phe Pro Gly His Arg Leu Ser Leu Lys Ala Cys Arg His Cys Ala
35 40 45

Thr Val Val Pro Val Arg Pro Ser Trp Gly His Gly Glu Arg Asp Ile
50 55 60

Ala Ile Pro Glu Ile Pro Gln Ser Val Met Cys Asp Leu Arg Ile Leu
65 70 75 80

Leu Arg Thr Pro

<210> 198
<211> 84
<212> PRT
<213> Homo sapien

<400> 198

Met Asn Lys Leu His Trp Gln Trp Pro Leu Ser Ser Arg Arg Arg Gln
1 5 10 15

Leu Met Asp Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe
20 25 30

Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu
35 40 45

Gly Gly Gly Thr Gly Glu Gln Gly Gly Arg Ala Gly Gly Glu Cys Val
50 55 60

Leu Pro Pro Pro Pro Pro Gln Lys Lys Lys Lys Lys Asn Ser Ile Asn
65 70 75 80

Lys Lys Lys Lys

<210> 199
<211> 134
<212> PRT
<213> Homo sapien

<400> 199

Met Pro Leu His Ser Ser Leu Gly Asn Arg Val Arg Pro Cys Pro Ser
1 5 10 15

Thr Leu Gly Gly Arg Gly Ala Gln Leu Glu Ile Ser Leu Gly Asn Ile
20 25 30

Val Lys Leu Asp Leu Tyr Lys Lys Lys Lys Lys Lys Lys Ser Arg Val
35 40 45

Trp Trp Cys Ala Pro Val Val Pro Ala Thr Gly Lys Leu Arg Trp Glu
50 55 60

Asp His Leu Ser Pro Gly Gly Arg Gly His Asn Glu Pro Lys Leu Cys
65 70 75 80

Gln Leu Asp Ser Ser Leu Gly Gln Gln Arg Lys Glu Leu Phe Thr Arg

85 90 95

Lys Lys Lys Lys Thr Lys Lys Lys Lys Lys Gly Gly Gly Gly Asn Thr
100 105 110

Gly Ala Gln Thr Arg Gly Pro Gly Gly Gly Asn Gly Gly Thr Arg Asp
115 120 125

His Lys Phe Pro Lys Gln
130

<210> 200
<211> 34
<212> PRT
<213> Homo sapien

<400> 200

Met Tyr Pro Pro Gln Ala Leu Cys Glu Asn Ile His Glu Asp Tyr Ser
1 5 10 15

Leu Ser Phe Tyr Thr Lys Arg Thr Thr Gln Arg Arg Pro Leu Gly Gly
20 25 30

Phe Leu

<210> 201
<211> 137
<212> PRT
<213> Homo sapien

<400> 201

Met Val Gly Arg Thr Thr Phe Tyr Lys Leu Arg Glu Ser Thr Gln Arg
1 5 10 15

Ser Pro Leu Glu Arg Ala His Glu Glu Thr His Lys Ser Pro His Ala
20 25 30

Val Cys Trp Leu Arg Glu Ile Asn Arg Ala Ser Ser Leu Leu Ser Leu
35 40 45

Ser Leu Cys Val Gly Ala Arg Arg Ser Gln Thr Leu Cys Glu Lys Glu
50 55 60

Lys Val Leu Ser Glu Arg Glu Ser Val Gly Val His Thr Glu Ser Gly
65 70 75 80

Val Tyr Met Phe Tyr Ser Leu Trp Arg Val Ser Phe Ser Thr His Thr
85 90 95

Gly Ala His Asp Leu Ser His Lys Glu His Arg Thr His Thr Leu Trp
100 105 110

Arg Ala Leu Ser His Leu Ile Phe Cys Glu Asn Val Lys Thr Phe Val
115 120 125

Glu Arg Glu Val Phe Leu Pro Val Leu
130 135

<210> 202
<211> 134
<212> PRT
<213> Homo sapien

<400> 202

Met Val Val Arg Gln Tyr Val Ser Glu Ile Phe Glu Pro Ala Pro Pro
1 5 10 15

Ser Thr Asn Lys His Tyr Phe Lys Arg Gly Lys Gly Ile Ser Met Glu
20 25 30

Ala His Ser Arg Arg Gln Ser His Ser Leu Thr Arg Ser Ser Asp Pro
35 40 45

Phe Ser Leu Gln His Arg Thr Gln Leu Leu Gln His Gly Ser His His
50 55 60

His Gly Asp Leu Gly Pro Tyr Phe Ile Pro His Arg Met Glu Glu Ser
65 70 75 80

Arg Leu Leu Leu Ser Leu Ser Ser Arg His Ser Phe Thr Ala Thr Phe
85 90 95

Asp Gln Leu Leu Ala Arg Gly Lys Ala Ser Ser Thr Gly Thr Ser Arg
100 105 110

Cys Pro Gly Leu Gly Ala Gly Ala Arg Arg Pro His Trp Ala Arg Val
115 120 125

Ser Ser Ala Ala Thr Thr
130

<210> 203
<211> 60
<212> PRT
<213> Homo sapien

<400> 203

Met Ile Ile Leu Cys Leu Ile Asn His Asn Ile Met Cys Trp Trp Val
1 5 10 15

Ser Ser Ser Ser Asp Tyr Leu Ser Ile Ser Val Cys Val Val Gln Ile
20 25 30

Ser Ser Arg Gly Val Ser Pro Cys Ala Arg Asp Lys Thr Thr Ala Leu
35 40 45

Ser Leu Leu Ser Arg Ser Ser Leu Ser Tyr Leu Cys
50 55 60

<210> 204
<211> 49
<212> PRT
<213> Homo sapien

<400> 204

Met Asp Gly Thr Glu Gly Lys Gln Leu Phe Met Tyr Thr Ser Lys Arg
1 5 10 15

Gly Lys Lys Lys Lys Lys Arg Asn Pro Leu Ile Ser Thr Leu Pro Ile
20 25 30

Arg Gln Asp Ile Ser Thr Ser Gln Ile Leu Arg Phe Leu Ile Ser Arg
35 40 45

Phe

<210> 205
<211> 53
<212> PRT
<213> Homo sapien

<400> 205

Met Ser Pro Trp Leu Asn Glu Arg Ser Ile Ala Lys Tyr Leu Met Asp
1 5 10 15

Lys Val Thr Thr Ala Leu Gln Ala Asn Asn His Ile Ser Pro Tyr Ile
20 25 30

Asp Gln Gln Arg Tyr Tyr Asn Tyr Ala Ser Val Gly Ile Gln Pro Arg
35 40 45

Leu Thr His Ile Thr
50

<210> 206
<211> 219
<212> PRT
<213> Homo sapien

<400> 206

Met Thr Met Asn Thr Arg Ser Tyr Leu Thr Thr Phe Gly Ser Leu His
1 5 10 15

Ser Tyr Ser Ser Pro Gln Leu Trp Cys Asp Thr Leu Thr Leu Val Arg
20 25 30

His Gly Ser Ser Leu Gly His Asn Thr Arg Thr Asp Pro Thr Ala Tyr
35 40 45

Pro Ser Pro Tyr Cys Pro Tyr Leu Ala Glu His Phe Thr Leu Leu His
50 55 60

Lys Leu Ser Ser Met Thr Pro Gly Arg Leu Asp Met Ala Met Pro Tyr
65 70 75 80

Val Leu Ala Pro His Leu Ala Thr Pro Thr Pro Pro Ser Leu Thr Pro
85 90 95

Leu Arg Asn Asn Thr Thr Pro Ser His His His Thr Ile Thr Tyr Leu
100 105 110

Thr Thr Ala Pro Tyr His Arg Thr Leu Leu Thr Ser Pro Thr His Pro
115 120 125

Tyr Gly Asp Asp His Leu Tyr Leu Tyr Leu Thr Leu Thr Thr Pro Phe
130 135 140

Glu Pro Arg Pro Thr His Arg Tyr Pro Leu Pro Pro Leu Asn Pro Leu
145 150 155 160

Arg Ile Thr Thr Gln His Thr Ser Asp Gly Thr Thr Pro Phe Arg Asn
165 170 175

Thr His Pro Lys Leu His Pro Leu Tyr Tyr Thr Thr Gln His His Tyr
180 185 190

Tyr Tyr Ala His His Asn Gln Pro Gln Thr Ser Thr Thr Thr Ile Lys
195 200 205

His Ser Ala Gly Gln His Ser Glu Gln Gln Gln
210 215

<210> 207
<211> 97
<212> PRT
<213> Homo sapien

<400> 207

Met His Ala Arg Ala Ala Gln Cys Asp Gly Ser Ala Ala Gly Gln Val
1 5 10 15

Leu Pro Phe Phe Phe Phe Phe Phe Phe Phe Phe Phe Leu Arg Gly Ser
20 25 30

Asn Leu Asp Pro Phe Phe Val Lys Lys Ile Phe Phe Phe Phe Phe Phe
35 40 45

Phe Phe Leu Trp Lys Pro Pro Leu Glu Thr Ser Ala Ala Ala Leu Pro
50 55 60

Val Thr Thr Cys Leu Leu Ser Arg His Ser Cys Val Ile Gln Arg Asp
65 70 75 80

Gly Ala Pro Ala Gly Trp Lys Arg Glu Trp Pro Pro Arg Ala Gly Arg
85 90 95

Gly

<210> 208
<211> 261
<212> PRT
<213> Homo sapien

<400> 208

Met Leu Phe Cys Leu Pro Pro Arg Arg Ala Arg Val Cys Val Cys Cys
1 5 10 15

Ile Thr Leu Gly Gly His Ser Ser Leu Tyr Gly Lys Arg Cys Val Leu
20 25 30

Ser Leu Ala Arg Gly Arg Asp Ile Tyr Val Asn Thr Leu Ala Gly Glu
35 40 45

His Thr His Thr His Ser Tyr Ile Thr Gln Leu Phe Phe Val Cys Lys
50 55 60

Asn Met Phe Val Val His Leu Cys Val Cys Val Ile Trp Leu Tyr Thr
65 70 75 80

His Leu Ser Val Tyr Ile Leu Cys Val Cys Thr Arg Ala Ile Ala His

85 90 95

Thr Leu Tyr Cys Pro Thr Ser Val Phe Met Arg Ala Arg Glu Arg Arg
100 105 110

Gly Arg Val Arg Arg Glu Tyr Ile Ile Pro Thr Leu Cys Val Phe Ile
115 120 125

Ile Thr Gln Leu Val Arg Glu Arg Glu His His Arg Arg Ser Ala Ala
130 135 140

Val Cys Thr His Thr Arg His Thr Pro Leu Ser Leu Thr Pro Leu Leu
145 150 155 160

Ser Tyr Ile His Thr Pro Arg Cys Ser Arg Arg Glu Tyr Ile Gly Cys
165 170 175

Leu Tyr Ser Phe Thr His Phe Pro Val Gly Leu Tyr Ser His Thr Thr
180 185 190

Ser Thr Ser Leu Leu Val Ser Thr His Thr His His Lys Ile Asn Thr
195 200 205

Phe Leu Tyr Thr Pro Thr Leu Gln His Ser Leu Pro Pro His Leu Val
210 215 220

Tyr Arg His Thr His Ser Leu Leu Pro Pro Pro Ala His Pro Gln Lys
225 230 235 240

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Gly Asp
245 250 255

Leu Arg Pro Ala Asp
260

<210> 209
<211> 111
<212> PRT
<213> Homo sapien

<400> 209

Met Arg Ser Thr His Trp Ala His Gly Thr Phe Leu Thr Pro Thr His
1 5 10 15

Pro Phe Leu Ile Ser Ser Thr Phe Leu Ser Ile Tyr Leu Pro Pro Ala
20 25 30

Pro Thr Pro Ile Pro Leu Ser Thr Thr Asn Pro Leu Ile Gln Ala Pro

35 40 45

Pro Gly Pro Leu Ile Ile Lys Thr Ile Val Pro Leu Phe Leu Asn Met
50 55 60

Asp Gln Lys Lys Lys Lys Lys Asn Lys His Leu Ala Ala Thr Thr Ile
65 70 75 80

His His Asn Ala Pro Leu Glu His Ala Ser Arg Tyr Thr Glu Ala Pro
85 90 95

Ile Val Ile Ile His Ser Ser Phe Phe Leu Phe Phe Phe Val Phe
100 105 110

<210> 210
<211> 30
<212> PRT
<213> Homo sapien

<400> 210

Met Ala His Phe Ala Gln Gln Cys Ser Phe His Met Gln Leu Ile Thr
1 5 10 15

His Asp Val Met Trp Ile Asp Thr Val Leu Thr Gln His Ile
20 25 30